

2007 HOV ANNUAL REPORT

(Data Collected in Fiscal Year 2006/2007: July 1, 2006 – June 30, 2007)



STATE OF CALIFORNIA

Governor *Arnold Schwarzenegger*



BUSINESS, TRANSPORTATION AND HOUSING AGENCY

Secretary *Dale E. Bonner*

DEPARTMENT OF TRANSPORTATION

Director *Will Kempton*

DISTRICT DIRECTOR

Douglas R. Failing

DEPUTY DISTRICT DIRECTOR OF OPERATIONS, *Frank Quon*

OFFICE OF FREEWAYS OPERATIONS, Chief *Marco Ruano*

HOV OPERATIONS BRANCH, Chief *Dawn Helou*

District 7

Los Angeles and Ventura Counties

July 2007



www.dot.ca.gov/dist07

EXECUTIVE SUMMARY

The following is a summary of HOV operations for District 7 in the year 2007.

- ◆ Los Angeles County has **470 lane miles** of HOV facilities, or 36% of the total 1320 HOV lane miles (approximate) in the State of California. Five counties (Los Angeles, Ventura, Orange, San Bernardino, and Riverside) within the Southern California region have a total of 847 lane miles (approximate) of HOV facilities, excluding the Route 91 Toll Road in Orange County, which is 40 HOV lane miles.
- ◆ On average, each HOV facility in Los Angeles County carries **1350 vehicles per hour** or **3200 people per hour**, during peak hours. These volumes well exceed the minimum expected volume of 800 vehicles per hour or 1800 people per hour, as specified in the *HOV Guidelines for Planning, Design, and Operations*.
- ◆ On average, the person-trip volume of an HOV lane is two (2) times greater than that of a mixed-flow lane during peak hours. (i.e., two (2) regular lanes are needed to carry an equal number of people in the HOV lane.)
- ◆ The average violation rate is 1.2%, which is substantially lower than the preferable rate of below 10%, as specified in the *HOV Guidelines for Planning, Design, and Operations*.
- ◆ Since 1992, the total number of carpools on freeways with HOV lanes has increased steadily, whereas on freeways without HOV lanes, the total number of carpools has remained relatively constant or decreased. From 1992 to 2007, the data indicates an increase of 79% in the total number of carpools on freeways with HOV lanes for the morning peak 2-hour period. Significant increases in carpools were also observed in the afternoon peak 2-hour period. For details, see tables and charts titled *Number of Carpools on Freeways* on pages 13 to 16.
- ◆ On average, the peak hour volume is 11%, and the peak 2-hour volume is 20% of the daily HOV traffic volume, excluding the El Monte Busway data, which has the 3+ occupancy requirement during peak hours.
- ◆ On average, each HOV facility in Los Angeles County carries 70 qualifying hybrid vehicles during both morning and afternoon peak hour. Some HOV facilities carry as much as 300 qualifying hybrid vehicles in the morning peak hour.
- ◆ The HOV facilities in Los Angeles County carry approximately **330,000 vehicles** or **750,000 people per day**.
- ◆ On average, HOV lane users save approximately one minute per mile, compared to mixed-flow traffic during peak hours.
- ◆ On average, HOV facilities carry 33% of the entire freeway's people in just 20% of the freeway's space [1 out of 5 lanes (4 mixed-flow lane + 1 HOV lane)], while an adjacent single mixed-flow lane carries 17% of the entire freeway's people in the same 20% space.

(This page intentionally left blank)

TABLE OF CONTENTS

ACKNOWLEDGEMENTS	1
INTRODUCTION	3
CHANGES IN 2006/2007	5
HOV PROJECTS SCHEDULED FOR COMPLETION IN 2007/2008.....	6
STATUS OF HOV PROJECTS	7
CURRENT HOV VOLUMES.....	8
TRAVEL TIME DATA (HOV LANE TIME SAVINGS)	9
NUMBER OF CARPOOLS ON FREEWAYS (AM/PM PEAK 2-HOUR)	10
HOV LANE LEGISLATION.....	14
CLEAN AIR STICKERS - HIGH OCCUPANCY VEHICLE LANE USAGE.....	15
HOV RAMP METERING AND HOV BYPASS LANES.....	17
FREEWAYS AND HIGHWAYS IN SOUTHERN CALIFORNIA	18
PARK AND RIDE LOTS	19
HOV VIOLATION FINES	20

HOV SYSTEM STATUS MAP

LOS ANGELES COUNTY	21
INTERREGIONAL (LOS ANGELES, VENTURA, ORANGE, RIVERSIDE, & SAN BERNARDINO CO.)	22

FACT SHEET AND INGRESS/EGRESS MAP

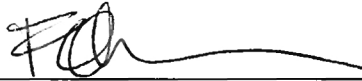
ROUTE 10.....	23
ROUTE 14.....	29
ROUTE 57.....	34
ROUTE 60.....	39
ROUTE 91.....	44
ROUTE 105.....	49
ROUTE 110.....	54
ROUTE 118.....	59
ROUTE 134.....	64
ROUTE 170.....	69
ROUTE 210.....	74
ROUTE 405.....	79
ROUTE 605.....	89

(This page intentionally left blank)

ACKNOWLEDGEMENTS

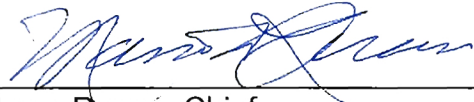
The *High Occupancy Vehicle (HOV) Annual Report* is prepared by the Office of Freeway Operations, HOV Operations Branch in District 7. The information in this report encompasses all HOV lanes in Los Angeles and Ventura Counties.

Approved by:



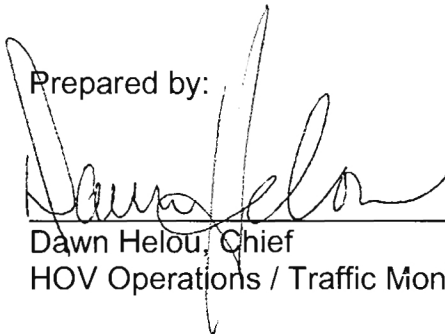
Frank Quon, Deputy Director
Division of Operations

Approval Recommended by:



Marco Ruano, Chief
Office of Freeway Operations

Prepared by:



Dawn Helou, Chief
HOV Operations / Traffic Monitoring Branch

We would like to thank and recognize the HOV Operations staff for the compilation of this report.

(This page intentionally left blank)

INTRODUCTION

Caltrans, District 7 (Los Angeles and Ventura Counties) is home to the nation's most extensive High Occupancy Vehicle lane program, which will be adding carpool lanes to virtually every freeway in the Los Angeles area.

The HOV program is the backbone of a multi-modal transportation system. In providing an HOV system, Caltrans is providing the network necessary for the higher level mass transit systems in the future. The HOV system is also the least expensive method or alternative to accommodate economic growth and development.

The 5 billion HOV program is designed to quickly increase mobility in the region. HOV lanes are seen as the next logical step in improving freeway efficiency to accommodate future increases in population and traffic.

The central concept of the HOV program is to move more people instead of cars. We cannot build our way out of future growth and congestion, by simply adding more and more lanes. When HOV lanes were introduced in Los Angeles County, the HOV system was designed to:

- a. Increase the person-movement capacity of the freeway
- b. Be cost-effective, by reducing commute costs
- c. Provide rideshare incentives, such as saving time and trip reliability.

The results of these goals improve air quality, conserve energy, increase mobility and efficiency of all trips, and reduce congestion. Even if you are not able to rideshare, adding HOV lanes will help your solo commute, by reducing congestion on all freeway lanes.

The Interstate 10 HOV lane, also known as the El Monte Busway, was a pioneering experiment in determining the value of the HOV lanes. The easterly section opened in January of 1973, and the westerly section joined the system in May of 1974. Originally designed for buses only, carpools with three or more people were allowed a few years later. The Route 10 El Monte Busway lane now carries as many people as three regular traffic lanes during peak hours.

The current District 7 HOV program has an important distinction from the "Diamond Lane" experiment of the 1970s: no traffic lanes are being taken away. Rather, the new HOV lanes are being added to the existing freeways, mostly through re-striping and using part of the freeway median, or outside widening.

When complete, Los Angeles County (District 7) will have approximately 700 lane miles of HOV facilities in place. The HOV projects are being designed and constructed using local Proposition C funds, and federal and state funds. The funds are being programmed and administered by the Los Angeles County Metropolitan Transportation Authority.

INTRODUCTION

The minimum number of persons required in a vehicle is two to use HOV lanes, with the exception of the Route 10 El Monte Busway which requires a minimum of three persons during peak hours, and Route 91 Toll Road in Orange County, which requires a minimum of three persons at all times. Motorcycles and certain clean air vehicles with a Department of Motor Vehicles' decal, even those carrying just one person, are allowed to use the HOV lanes, by federal law.

All HOV facilities in Southern California are operated on a 24 hour basis except on State Route 14. Beginning January 1, 2001, an 18 month part-time demonstration project was conducted which allowed solo drivers to use the HOV lanes during non-peak hours. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time.

It has been concluded that a significant growth in carpools occurred only on freeways that added HOV lanes, with the number of carpools remaining relatively constant or decreasing for those freeways without HOV lanes. Getting a solo driver out of his car is the biggest challenge, but Caltrans believes that the formation of a simple 2+ carpool is the first step toward higher levels of mass transit, which is the future goal of transportation. The reduction of drive alone is a complicated subject since new drivers join the freeway everyday and route diversion may account for some of the new carpools, instead of carpool growth. However, freeways in Los Angeles which have added HOV lanes, have shown a significant increase in the number of 2+ vehicles, with some HOV lanes carrying as much as 1600 vehicles in the peak hour. On average, HOV lane users save approximately 1 minute per mile, compared to mixed flow traffic during peak hours.

CHANGES IN 2006 - 2007

The following is a list of new HOV facilities which opened in the year 2006/2007:

- In May 2006, 8.4 lane-miles of carpool lanes opened on the San Diego Freeway (Route 405) between Century Boulevard and Imperial Highway (Route 90).
- In August 2006, 12.4 lane-miles of carpool lanes opened on the Antelope Valley Freeway (Route 14) between Pearblossom Hwy and Avenue P-8.
- In October 2006, 1.6 lane-miles of carpool lane opened on the San Diego Freeway (Route 405) between Burbank Boulevard and Ventura Boulevard (Northbound direction only).
- In February 2007, 2.0 lane-miles of HOV lane direct connectors opened on the Pomona Freeway (Route 60) / Orange Freeway (Route 57) interchange.
- In August 2007, 1.2 lane-miles of carpool lane opened on the San Diego Freeway (Route 405) between Waterford Street and Santa Monica Boulevard (Southbound direction only).

The following is a list of HOV facilities under construction in the year 2007:

- San Diego Freeway (Route 405), 1.2 lane-miles of carpool lane between Santa Monica Boulevard and Santa Monica Freeway (Route 10), southbound direction only. Expected to open in September 2008.
- Golden State Freeway (Route 5), 12.4 lane-miles of carpool lanes between Ronald Reagan Freeway (Route 118) and Antelope Valley Freeway (Route 14). Expected to open in November 2008.
- San Diego Freeway (Route 405), 6.2 lane-miles of carpool lanes between Marina Freeway (Route 90) and Santa Monica Freeway (Route 10). Expected to open in July 2009.
- Pomona Freeway (Route 60), 22.0 lane-miles of carpool lanes between San Gabriel River Freeway (Route 605) and Brea Canyon Road. Expected to open in January 2011.

HOV lane legislation:

- Assembly Bill 2600 (AB 2600) was signed by the Governor on September 29, 2006, which extends the HOV lane provisions of AB 2628. AB 2600 increases the number of carpool decals available for qualified hybrid vehicles by 10,000 to 85,000 decals. It also extends the sunset date of the program by three years to January 1, 2011.

**HOV PROJECTS
SCHEDULED FOR COMPLETION IN 2007 - 2008**

<u>ROUTE</u>	<u>POST MILE</u>	<u>PROJECT LIMITS</u>	<u>OPENING DATE</u>
LA-405	29.5/30.7	Santa Monica Bl to Rte 10 (S/B only)	September 2008
LA-5	39.4/45.6	Route 118 to Route 14	November 2008

California State Department of Transportation - District 7
High Occupancy Vehicle System
STATUS OF HOV PROJECTS

ROUTE	E.A.	COST	FREEWAY CENTERLINE MILES				OPENING DATE
		\$ (MIL)	EXISTING	CONSTRUCTION	DESIGN	PLANNING	MM/DD/YY (MM/YY)
LA-10 17.0/28.0 Alameda to Baldwin Ave		58.00	11.00				1973
LA-91 6.4/16.7 Rte 110 to Rte 605 E/B			---				06/10/85
LA-91 6.4/16.9 Rte 110 to Rte 605 W/B	115864	0.70	10.50				03/11/93
LA-405 13.0/20.7 Rte 110 to 120th St.	106734	8.30	7.70				04/08/93
LA-405 0.0/2.2 Bellflower Bl to Rte 605 (SB Only)	005854	4.80	---				10/2/93(6/97)
LA-105 2.2/18.2 Rte 405 to Rte 605		230.00	16.00				10/14/93
LA-210 25.0/43.8 Rte 134 to Sunflower Ave	129104	8.90	18.80				12/16/93
LA-405 20.7/22.2 120th St. to Century Bl	105 CC0	---	1.50				01/94
LA-91 16.7/20.7 Rte 605 to Ora. Co Line	115834	0.90	4.00				11/94
LA-134 0.0/5.1 Rte 101/170 to Rte 5	120284	6.60	5.10				10/02/95
LA-170 14.5/20.6 Rte 101/134 to Rte 5	120274	7.30	6.10				02/11/96
LA-134 5.1/9.7 Rte 5 to Rte 2	107734	5.00	4.60				03/12/96
LA-210 HOV Drop Ramp at Fair Oaks Ave	019594	4.00	0.40				05/30/96
LA-110 9.8/20.5 Rte 91 to Adams Bl (Elev)		344.00	10.70				6/26/96(7/97)
LA-110 Rte 110/105 HOV Direct Connector		---	---				6/26/96(7/97)
LA-134 9.7/13.3 Rte 2 to Rte 210	118504	7.80	3.60				08/30/96
LA-405 38.6/48.6 Rte 101 to Rte 5	120334	15.10	10.00				10/22/96
LA-10 28.0/31.1 Baldwin Ave to Rte 605	008061	6.6	---				Median Barrier
LA-10 31.1/33.5 Rte 605 to Puente Ave	005881	---	---				Median Barrier
LA-118 0.0/11.4 Ven Co Line to Rte 5	115054	23.20	11.40				03/07/97
LA-605 3.9/10.8 South St to Telegraph Rd	119394	14.10	6.90				04/02/97
LA-57 0.0/4.5 Orange Co Line to Rte 60	115034	18.20	4.50				08/22/97
LA-30 0.0/2.5 Sunflower Ave to Foothill Bl	119981	7.00	2.50				09/08/97
LA-405 0.2/7.9 Orange Co Line to Rte 710	116874	29.70	7.70				02/12/98
LA-605 10.8/20.7 Telegraph Rd to Rte 10	119944	17.30	9.90				04/03/98
LA-14 27.0/33.7 SF Rd. to Sand Cyn Rd	116204	23.80	6.70				05/05/98
LA-405 7.9/13.0 Rte 710 to Rte 110	115174	28.20	5.10				10/08/98
LA-60 22.7/25.4 Brea Cyn Rd to Rte 57 N	119234	5.50	2.70				02/02/99
LA-60 25.4/30.5 Rte 57 N to SBD Co Line	115044	20.80	5.10				02/02/99
LA-14 33.7/44.0 Sand Cyn Rd to Escondido	125604	31.80	10.30				09/23/99
LA-605 0.0/3.9 Ora. Co Line to South St.	1347U4	14.60	3.90				03/01
LA-405 31.9/38.6 Waterford to Rte 101 (SB Only)	1667U4	17.70	6.70				01/08/02
LA-14 44.0/54.5 Escondido to Pearl Blossom	117104	60.50	10.50				07/29/02
LA-14 24.8/27.0 Rte 5 to S.F. Road	119844	5.40	2.20				08/03/02
LA-210 2.5/8.3 Foothill Bl to SBD Co Line	105014	91.00	5.80				11/24/02
LA-10 42.4/48.3 Rte 57 to SBD Co Line	122404	77.30	5.90				11/13//03
LA-10 28.0/31.2 Baldwin Ave to Rte 605	1069U4	50.40	3.20				02/04/05
LA-405 22.2/26.4 Century Bl to Rte 90	1198U4	34.30	4.20				05/23/06
LA-14 54.5R/60.7R Pearl Blossom to Ave P-8	125204	32.30	6.20				08/18/06
LA-405 38.6/40.2 Burbank Bl to Ventura Bl (NB Only)	199624	4.70	---				10/11/06
LA-60 Rte 57/60 HOV Direct Connector	1257U4	56.10	1.00				02/23/07
LA-405 30.7/31.9 Waterford to Santa Monica Bl (SB Only)	195903	---	1.20				08/30/07
LA-405 29.5/30.7 Santa Monica Bl to Rte 10 (SB Only)	195903	36.90		1.20			09/08
LA-5 39.4/45.6 Rte 118 to Rte 14	122003	13.20		6.20			11/08
LA-405 26.4/29.5 Rte 90 to Rte 10	1178U3	125.50		3.10			07/09
LA-60 11.7/18.0 Rte 605 to Azusa Ave	1294U3	56.50		6.30			01/11
LA-60 18.0/22.7 Azusa Ave to Brea Cyn Rd	129423	14.90		4.70			01/11
LA-71 0.5/4.5 Express-Freeway Conversion	210601	147.80			4.00		07/09
LA-5 26.7/36.4 Rte 134 to Rte 170	121801	161.20			9.70		07/11
LA-10 31.2/33.4 Rte 605 to Puente Ave	117071	142.50			2.20		11/11
LA-5 36.4/39.4 Rte 170 to Rte 118	121901	257.80			3.00		12/11
LA-5 Rte 5/170 HOV Direct Connector	121901	---			1.00		12/11
LA-5 Rte 5/14 HOV Direct Connector	168001	109.60			1.00		05/13
LA-405 29.5/38.6 Rte 10 to Rte 101	120300	640.90				9.10	04/13
LA-5 45.6/55.5 Rte 14 to Rte 126	23320K	224.90				9.90	07/13
LA-10 33.4/37.5 Puente Ave to Citrus St	117080	92.50				4.10	05/14
LA-10 37.5/42.4 Citrus St to Rte 57	119340	103.70				4.90	05/14
LA-60 Rte 60/605 HOV Direct Connector	23560K	244.10				1.00	01/15
LA-10 Rte 10/605 HOV Direct Connector	23570K	196.70				1.00	01/15
LA-5 Rte 5/405 HOV Direct Connector	17610K	84.90				1.00	03/16
LA-5 0.0/14.6 Ora. Co Line to Rte 710 (Ultimate)	2159A0	497.60				14.60	06/16
LA-5 22.6/26.7 Rte 2 to Rte 134	12120K	136.00	Non-Programmed			4.10	03/09 (RTL)
LA-5 18.4/22.6 Rte 10 to Rte 2	12160K	158.00	Non-Programmed			4.20	03/09 (RTL)
LA-10 5.5/14.8 Rte 405 to Rte 110	12340K	155.00				9.30	06/16 (RTL)
LA-710 26.5/32.7R Rte 10 to Rte 210	02009K	---				6.20	
COLOR MAP SUBTOTAL - INTEGRATED PLAN		4965.50	233.60	21.50	20.90	69.40	345.40

RTL = Ready To List

Rev Date August 2007

CURRENT HOV VOLUMES

HOV LANE CAPACITY IS 1650 VPH

Route	Location	Post Mile	Count Date	2+ Peak Hourly Volume **	3+ Peak Hourly Volume **	Hybrid Vehicles Peak Period Volume		Dir.	HOV Lane Peak Period	Peak 2-Hour HOV Volume **	Occupancy Requirement	Peak Period Violation Rate	HOV ADT (vehicles)	Corridor HOV ADT (vehicles)
						1-Hour	2-Hour							
10	Jackson Ave.	25.09	11-14-06	1515***	1466	77	167	W/B	6:30-7:30 A.M.	2782	3+ (2+ off peak)	3.23%	13793	25500
	Jackson Ave.	25.09	11-16-06	1154	232	34	72	E/B	3:00-4:00 P.M.	2065	3+ (2+ off peak)	1.54%	11707	
				1085***	928	44			4:15-5:15 P.M.			14.47%		
14	Golden Valley	29.68	12-20-06	1131	114	20	39	S/B	6:30-7:30 A.M.	1981	2+ (1+ off peak)	0.09%	13408	25587
	Golden Valley	29.68	2-15-07	1520	181	37	59	N/B	4:30-5:30 P.M.	2333	2+ (1+ off peak)	0.59%	12179	
57	Pathfinder	3.16	5-2-07	1301	134	75	153	S/B	6:45-7:45 A.M.	2479	2+	0.40%	13813	25788
	Pathfinder	3.16	10-24-06	977	115	25	65	N/B	3:00-4:00 P.M.	1936	2+	0.20%	11975	
60	Phillips Ranch	28.04	12-13-06	1389	164	41	58	W/B	6:45-7:45 A.M.	2457	2+	0.00%	13858	24180
	Phillips Ranch	28.04	12-12-06	965	107	9	17	E/B	4:00-5:00 P.M.	1813	2+	0.00%	10322	
91	Bloomfield	19.17	2-15-07	1189	152	140	297	W/B	6:45-7:45 A.M.	2243	2+	0.08%	11335	22473
	Artesia	19.43	12-20-06	1462	147	90	150	E/B	4:15-5:15 P.M.	2857	2+	0.14%	11138	
105	Long Beach Bl.	11.51	11-1-06	1476	206	47	110	W/B	6:30-7:30 A.M.	2948	2+	3.78%	17564	32426
	Long Beach Bl.	11.51	10-31-06	1297	205	59	107	E/B	4:00-5:00 P.M.	2499	2+	2.11%	14862	
110*	Slauson	17.98	11-2-06	3163	301	236	431	N/B	7:00-8:00 A.M.	6109	2+	0.38%	28916	57159
	Slauson	17.98	11-1-06	2639	266	155	266	S/B	4:30-5:30 P.M.	4939	2+	0.60%	28243	
118	Reseda Ave.	5.81	12-6-06	1269	85	31	55	W/B	6:45-7:45 A.M.	2269	2+	0.08%	5466	11144
	Reseda Ave.	5.81	12-5-06	1389	205	38	55	E/B	4:15-5:15 P.M.	2573	2+	1.77%	5678	
134	Jackson Ave.	7.41	10-24-06	775	58	61	116	W/B	7:15-8:15 A.M.	1425	2+	0.13%	6840	15022
	Jackson Ave.	7.41	10-25-06	943	79	55	91	E/B	4:15-5:15 P.M.	1845	2+	0.00%	8182	
170	Sherman Way	18.27	12-5-06	1066	138	41	74	S/B	7:00-8:00 A.M.	1918	2+	3.27%	5906	10824
	Sherman Way	18.27	12-7-06	726	175	45	71	N/B	4:30-5:30 P.M.	1379	2+	0.00%	4918	
210	Wilson Ave	26.57	11-15-06	1118	166	61	116	W/B	7:15-8:15 A.M.	2017	2+	1.15%	12852	23468
	Wilson Ave	26.57	2-14-07	1324	91	50	104	E/B	3:00-4:00 P.M.	2524	2+	0.38%	10616	
	Second St.	39.12	10-25-06	1468	85	140	211	W/B	7:30-8:30 A.M.	2874	2+	0.41%	12192	—
	Second St.	39.12	10-26-06	1520	162	62	134	E/B	4:30-5:30 P.M.	3016	2+	0.33%	12012	
405	Temple	4.33	2-14-07	1223	144	301	584	N/B	7:30-8:30 A.M.	2357	2+	0.00%	15962	—
	Temple	4.33	12-19-06	1428	126	142	274	S/B	4:30-5:30 P.M.	2824	2+	0.00%	14778	
	Normandie	13.81	11-19-06	1352	143	146	290	N/B	6:30-7:30 A.M.	2412	2+	1.53%	14651	28098
	Normandie	13.81	11-28-06	1246	149	94	190	S/B	3:45-4:45 P.M.	2428	2+	1.58%	13447	
	Burbank Blvd.	40.28	12-9-06	1129	181	48	116	S/B	6:30-7:30 A.M.	2036	2+	0.70%	9475	—
	Burbank Blvd.	40.28	2-1-07	1336	172	68	115	N/B	3:45-4:45 P.M.	2677	2+	0.22%	9540	
605	Beverly Blvd.	14.42	12-7-06	1251	100	51	104	S/B	6:45-7:45 A.M.	2379	2+	0.08%	14655	28822
	Beverly Blvd.	14.41	12-6-06	1482	103	43	80	N/B	3:15-4:15 P.M.	2874	2+	0.20%	14167	

Average occupancy during peak hourly volume: 2+ facility is 2.2; 3+ facility is 3.1 (excluding buses and violators).

Note: ADT data is not necessarily taken at the same count locations.

* 2 lane HOV facility.

** Volume for Carpools, Vanpools, Motorcycles, and Buses. Excluding Violators and Hybrid Vehicles.

*** Volume for Carpools, Vanpools, Motorcycles, Buses, and Violators. Excluding Hybrid Vehicles.

Total Vehicles / Day	330491
Total People / Day	750030

Travel Time Data (HOV Lane Time Savings)

ROUTE	LIMITS	LENGTH	DATE	PEAK DIRECTION	TRAVEL TIME		HOV LANE - TIME SAVINGS
					Mixed Flow	HOV	
10 / San Bernardino Freeway	Alameda to Route 605	13.8 mi.	04/20/07	Westbound (AM)	45 min. - 33 sec.	24 min. - 56 sec.	21 min.
		14.0 mi.	05/15/07	Eastbound (PM)	42 min. - 56 sec.	25 min. - 20 sec.	18 min.
	Route 57 to S.B. Co. Line	5.4 mi.	04/18/07	Westbound (AM)	06 min. - 02 sec.	04 min. - 31 sec.	02 min.
		5.9 mi.	04/18/07	Eastbound (PM)	11 min. - 23 sec.	06 min. - 10 sec.	05 min.
14 / Antelope Valley Freeway	Route 5 to Pearblossom	34.4 mi.	04/19/07	Southbound (AM)	32 min. - 17 sec.	29 min. - 54 sec.	02 min.
		34.8 mi.	04/19/07	Northbound (PM)	38 min. - 45 sec.	31 min. - 11 sec.	08 min.
57 / Orange Freeway	Route 60 to Ora. Co. Line	5.4 mi.	03/14/07	Southbound (AM)	13 min. - 33 sec.	09 min. - 15 sec.	04 min.
		5.4 mi.	03/14/07	Northbound (PM)	18 min. - 28 sec.	11 min. - 27 sec.	07 min.
60 / Pomona Freeway	Brea Canyon to S.B. Co. Line	7.0 mi.	03/15/07	Westbound (AM)	21 min. - 11 sec.	16 min. - 04 sec.	05 min.
		6.2 mi.	03/15/07	Eastbound (PM)	10 min. - 22 sec.	06 min. - 01 sec.	04 min.
91 / Artesia Freeway	* Wilmington to Route 110	1.4 mi.	05/16/07	Westbound (AM)	02 min. - 13 sec.	01 min. - 38 sec.	01 min.
	* Route 110 to Central	1.7 mi.	04/26/07	Eastbound (PM)	13 min. - 16 sec.	02 min. - 30 sec.	11 min.
	* Ora. Co. Line to Cherry	4.4 mi.	05/16/07	Westbound (AM)	16 min. - 12 sec.	07 min. - 12 sec.	09 min.
	* Cherry to Ora. Co. Line	8.4 mi.	04/26/07	Eastbound (PM)	14 min. - 20 sec.	09 min. - 37 sec.	05 min.
105 / Glenn Anderson (Century) Freeway	Route 405 to Route 605	15.5 mi.	04/17/07	Westbound (AM)	37 min. - 36 sec.	21 min. - 25 sec.	16 min.
		15.7 mi.	04/17/07	Eastbound (PM)	37 min. - 15 sec.	26 min. - 41 sec.	11 min.
110 / Harbor Freeway	Route 91 to Adams Blvd	9.8 mi.	04/22/07	Northbound (AM)	32 min. - 46 sec.	15 min. - 31 sec.	17 min.
		9.6 mi.	05/16/07	Southbound (PM)	20 min. - 37 sec.	10 min. - 16 sec.	10 min.
118 / Ronald Reagan Freeway	Route 5 to Ventura Co. Line	11.1 mi.	04/18/07	Westbound (AM)	13 min. - 58 sec.	10 min. - 12 sec.	04 min.
		10.4 mi.	04/18/07	Eastbound (PM)	11 min. - 02 sec.	09 min. - 48 sec.	01 min.
134 / Ventura Freeway	Route 5 to Route 210	7.7 mi.	04/24/07	Westbound (AM)	07 min. - 20 sec.	06 min. - 47 sec.	01 min.
		8.1 mi.	04/24/07	Eastbound (PM)	09 min. - 33 sec.	07 min. - 21 sec.	02 min.
	* Route 5 to Hollywood Way Route 101/170 to Route 5	2.7 mi.	04/24/07	Westbound (AM)	02 min. - 51 sec.	02 min. - 20 sec.	01 min.
		5.1 mi.	04/24/07	Eastbound (PM)	06 min. - 47 sec.	04 min. - 47 sec.	02 min.
170 / Hollywood Freeway	Route 101/134 to Route 5	5.8 mi.	05/02/07	Southbound (AM)	26 min. - 14 sec.	07 min. - 22 sec.	19 min.
		6.0 mi.	05/02/07	Northbound (PM)	22 min. - 29 sec.	07 min. - 29 sec.	15 min.
210 / Foothill Freeway	Route 134 to S.B. Co. Line	27.5 mi.	04/25/07	Westbound (AM)	66 min. - 26 sec.	42 min. - 05 sec.	24 min.
		27.3 mi.	04/25/07	Eastbound (PM)	62 min. - 01 sec.	44 min. - 47 sec.	17 min.
405 / San Diego Freeway	Route 5 to Waterford Route 101 to Route 5	15.6 mi.	05/03/07	Southbound (AM)	52 min. - 48 sec.	32 min. - 36 sec.	20 min.
		9.3 mi.	05/03/07	Northbound (PM)	32 min. - 11 sec.	22 min. - 19 sec.	10 min.
	Howard Hughes to Ora. Co. Line	24.6 mi.	05/15/07	Northbound (AM)	63 min. - 01 sec.	39 min. - 37 sec.	23 min.
		25.0 mi.	05/16/07	Southbound (PM)	53 min. - 26 sec.	37 min. - 40 sec.	16 min.
605 / San Gabriel River Freeway	Orange Co. Line to Route 10	20.7 mi.	05/01/07	Southbound (AM)	38 min. - 26 sec.	24 min. - 22 sec.	14 min.
		19.9 mi.	05/17/07	Northbound (PM)	28 min. - 21 sec.	20 min. - 07 sec.	08 min.

Travel time runs conducted at 7:30 am and 5:00 pm in the peak direction.

* Temporary HOV lane closure.

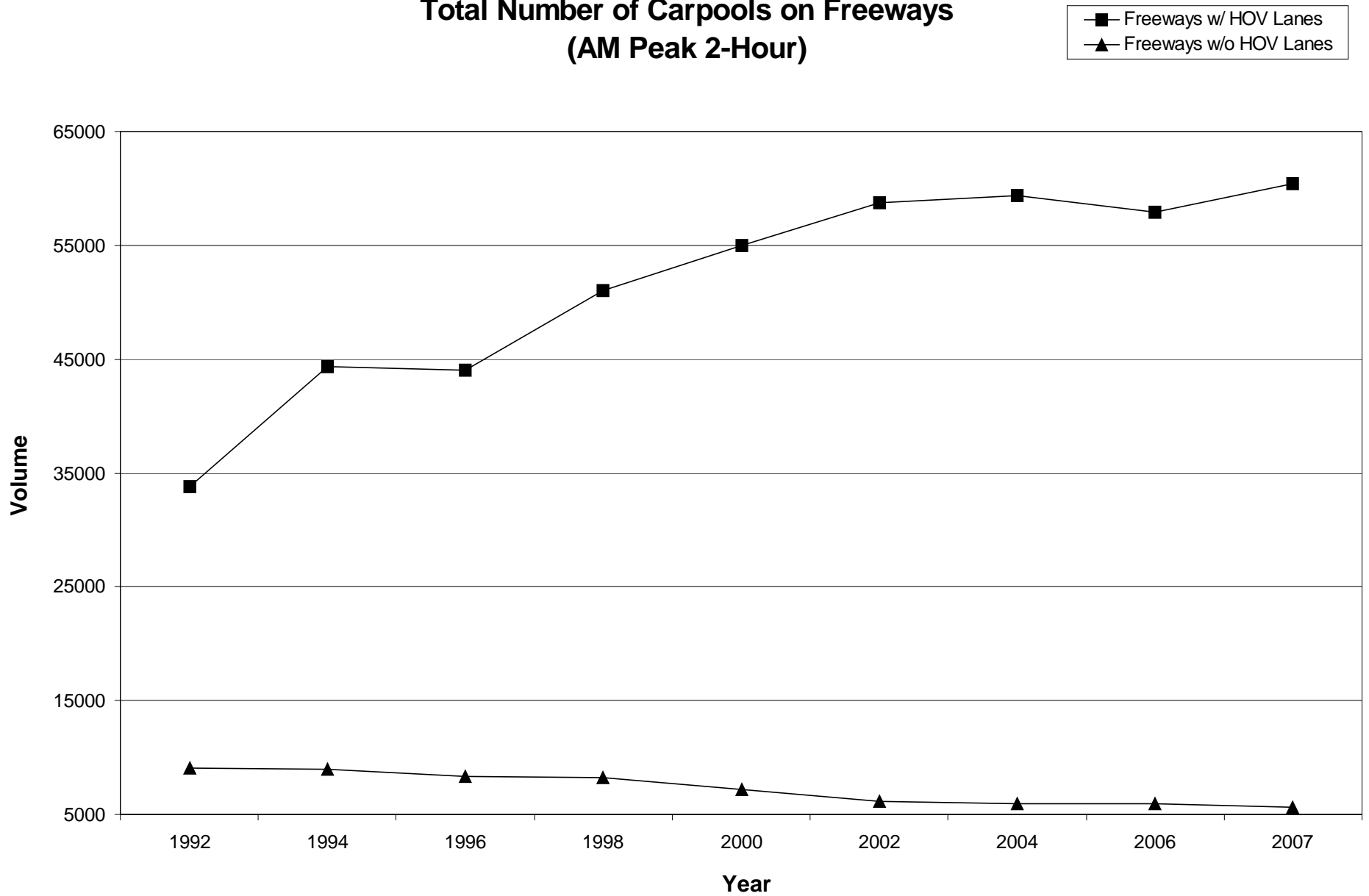
Number of Carpools on Freeways (AM Peak 2-Hour)

Route		Length (Centerline Miles)	Opening Date (Initial Segment)	Location	AM Peak 2-Hour Number of Carpools in HOV lanes									AM Peak 2-Hour Total Number of Carpools on freeway									
					Base Year 1992	1994	1996	1998	2000	2002	2004	2006	2007	Base Year 1992	1994	1996	1998	2000	2002	2004	2006	2007	
Freeways w/ HOV Lanes	10 *	20.1 Miles	Jan-73	Warwick	2312	1849	1139	1475	1683	1762	2155	1922	1966	2362	2294	1219	1550	1768	1817	2275	2290	2066	
				Jackson	<u>1722</u>	1722	1879	1430	1870	2074	2284	2366	2681	<u>1812</u>	1812	1969	1476	1895	2119	2379	2466	2721	
	14	35.9 Miles	May-98	Golden Valley	-	-	-	1491	2099	2184	1995	2111	1948	1290	1834	1174	<u>1971</u>	2718	2503	2370	2471	2578	
	57	4.5 Miles	Aug-97	Pathfinder	-	-	-	1615	2006	2168	2216	1939	2377	1420	1660	1315	2360	2271	2478	2641	2394	2652	
	60	7.5 Miles	Feb-99	Phillips Ranch	-	-	-	-	2548	2657	2373	2232	2416	<u>945</u>	<u>945</u>	945	1121	2843	3262	2988	2902	3166	
	91	14.3 Miles	Jun-85	Wilmington	-	1120	1952	2209	2679	2361	2431	2466	<u>2466</u>	2185	2875	2777	3079	3599	3191	2936	3031	<u>3031</u>	
				Bloomfield	-	-	1449	1622	1838	2654	2654	2353	2152	2105	1580	2504	2557	2663	3184	3184	2968	2972	
	105	16 Miles	Oct-93	Lakewood	-	1674	2232	2134	2402	2370	2305	2202	1959	-	2642	2787	2629	2942	2843	2718	2645	2334	
				Long Beach	-	2444	2679	2908	2893	2931	2789	2497	2841	-	3010	3395	3242	3294	3246	2984	2767	3321	
	110 *	10.7 Miles	Jun-96	Slauson	-	-	3084	5199	6427	5699	6330	5835	6008	2585	3110	4144	5754	6992	6334	6880	6080	6528	
	118	11.4 Miles	Mar-97	Reseda	-	-	-	1004	1197	1905	2222	2060	2225	1519	1391	1220	1909	1597	3235	3207	3115	3719	
				Porter Ranch	-	-	-	946	793	1068	1342	1310	1156	1264	1628	1283	1836	2013	1813	2077	2100	2401	
	134	12.8 Miles	Mar-96	Jackson	-	-	810	1260	1146	1356	1376	1451	1382	2165	2320	2540	3075	1961	2571	1986	2801	2422	
			Oct-95	Pass	-	-	1016	1017	1071	1572	1473	1422	1348	1760	2195	1721	1722	2041	2457	2258	2042	1898	
	170	6.1 Miles	Feb-96	Sherman Way	-	-	1102	1334	1503	1415	1755	1793	1867	1650	2150	2137	2454	2303	3210	3560	3473	3832	
	210	27.2 Miles	Dec-93	2nd St.	-	2338	2721	2775	2608	2648	2789	2771	2752	2215	3833	3801	3460	3158	3058	3289	3301	3327	
				Wilson	-	2186	<u>1807</u>	1807	1926	1860	2040	1978	1926	3390	3392	<u>3667</u>	3601	2958	2952	2964	2770	2802	
	405	16.7 Miles	Oct-96	Burbank	-	-	1529	1851	1576	2361	2136	2234	1975	1495	2115	2084	2581	1901	3291	2931	2704	3100	
		26.4 Miles	Apr-93	Normandie	-	1021	1578	2034	2638	2616	2267	2455	2336	<u>2311</u>	2311	2238	2294	3073	2676	2882	2765	2661	
	605	20.7 Miles	Apr-97	Beverly	-	-	-	<u>949</u>	2369	2323	2422	2395	2323	<u>1280</u>	1280	1095	2369	2959	2548	2882	2830	2923	
	Total					4034	14354	24977	35060	43272	45984	47354	45792	46104	33753	44377	44015	51040	54949	58788	59391	57915	60454
	% Change From Base Year														-	31%	30%	51%	63%	74%	76%	72%	79%
Freeways w/o HOV Lanes	2			Trentway										2070	<u>1230</u>	1230	1670	1785	1425	1475	1210	1025	
	5			Greenwood										2370	2280	2030	1425	1690	1305	1275	1370	1345	
	101			Encino										2140	3036	2592	<u>2508</u>	2262	2496	1812	1938	1566	
	710			Gage										2465	2400	2500	2585	1460	875	1325	1430	1730	
	Total														9045	8946	8352	8188	7197	6101	5887	5948	5666
	% Change From Base Year														-	-1%	-8%	-9%	-20%	-33%	-35%	-34%	-37%

Note: For statistical purposes, if the data of the year is not available and the facility was open at the time, the data for the following year is used.

* Volume for Carpools, Vanpools, and Buses. All other volumes are Carpools and Vanpools only. Violators excluded

Total Number of Carpools on Freeways (AM Peak 2-Hour)



Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, I-10, SR-14, SR-57, SR-60, SR-91, I-105, I-110, SR-118, SR-134, SR-170, I-210, I-405, and I-605.
The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, I-5, US-101, and I-710.

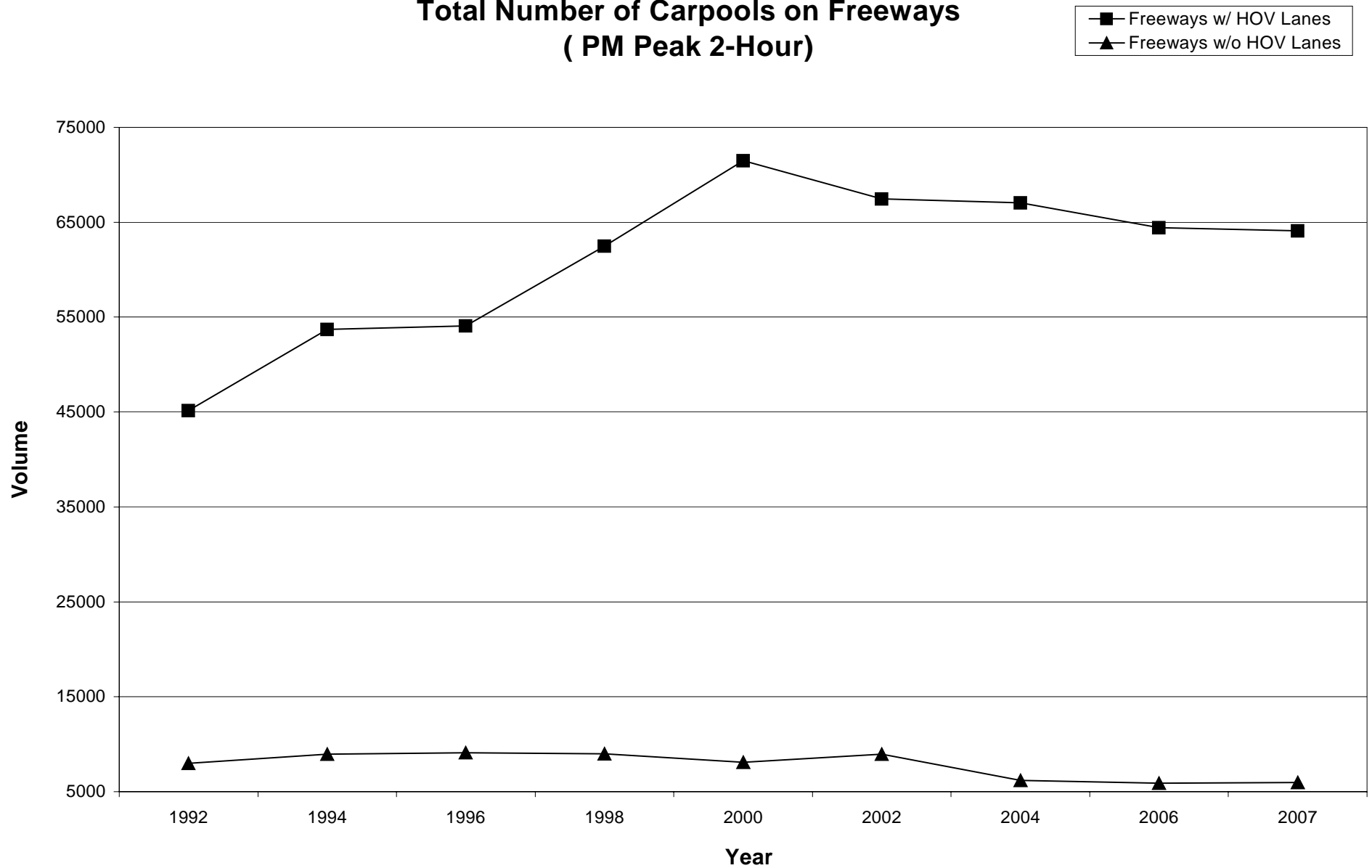
Number of Carpools on Freeways (PM Peak 2-Hour)

Route			Length (Centerline Miles)	Opening Date (Initial Segment)	Location	PM Peak 2-Hour Number of Carpools in HOV lanes								PM Peak 2-Hour Total Number of Carpools on freeway									
						Base Year 1992	1994	1996	1998	2000	2002	2004	2006	2007	Base Year 1992	1994	1996	1998	2000	2002	2004	2006	2007
Freeways w/ HOV Lanes	10 *	20.1 Miles	Jan-73	Warwick	1956	1789	1858	1878	2194	2102	2596	2343	2206	2550	2377	2113	2100	2739	2902	3236	3103	2516	
				Jackson	<u>1972</u>	1972	1709	1575	1926	2290	1686	1867	1767	<u>2322</u>	2322	1834	1740	2476	2960	2266	2662	2222	
	14	35.9 Miles	May-98	Golden Valley	-	-	-	1828	2047	2080	2336	2225	2267	1768	1460	1834	<i>3088</i>	3292	2568	2775	2654	2721	
	57	4.5 Miles	Aug-97	Pathfinder	-	-	-	1590	2397	2196	2626	1863	1875	2305	2505	1475	2815	3427	3151	2866	2925	2405	
	60	7.5 Miles	Feb-99	Phillips Ranch	-	-	-	-	2434	2352	2126	1654	1764	<u>1369</u>	<u>1369</u>	1369	1901	3509	3637	2871	2564	2624	
	91	14.3 Miles	Jun-85	Wilmington	2683	1125	2657	2378	2669	2242	1993	2104	<u>2104</u>	4653	2975	2881	3828	3754	3392	3068	2879	<u>2879</u>	
				Artesia	-	-	1926	1432	2617	2904	<u>2904</u>	<u>2008</u>	2787	2655	2110	3821	3252	3837	3989	<u>3989</u>	2723	4142	
	105	16 Miles	Oct-93	Lakewood	-	1757	2105	2055	2127	2320	2630	2343	2398	-	3145	2776	3053	3031	3059	3421	3101	3144	
				Long Beach	-	2176	2637	2517	2543	2555	2521	2453	2392	-	3541	3425	3297	3402	3151	3114	3188	2741	
	110 *	10.7 Miles	Jun-96	Slauson	-	-	2788	3904	4997	4677	5285	5064	4861	<u>3270</u>	3270	4708	5544	6332	5902	6515	6379	6116	
	118	11.4 Miles	Mar-97	Reseda	-	-	-	779	1478	1761	2314	2174	2526	<u>1609</u>	1609	1811	2054	3218	3166	3139	3679	3946	
				Porter Ranch	-	-	-	751	1315	1818	1950	1966	2419	1984	2126	1789	2301	3090	3233	2800	2876	3569	
	134	12.8 Miles	Mar-96	Jackson	-	-	1200	1547	1931	1553	1785	1653	1787	3020	2420	2555	3717	3046	3093	3005	2718	2637	
			Oct-95	Pass	-	-	1068	1075	1411	1337	1416	1294	1455	1955	2445	2488	2320	2716	2287	2446	2639	2920	
	170	6.1 Miles	Feb-96	Sherman Way	-	-	868	1007	998	978	1697	1217	1338	1915	2025	2023	2437	2038	1963	2572	2102	1998	
	210	27.2 Miles	Dec-93	2nd St.	-	2451	2422	2691	2824	2646	3194	2924	2928	3150	4686	4002	3906	4539	3840	4044	3854	3788	
				Wilson	-	2209	2524	2603	3245	2450	2715	2536	2459	3432	4759	<u>4816</u>	5273	5459	4406	4137	3616	3275	
	405	16.7 Miles	Oct-96	Burbank	-	-	1141	1558	2306	2271	2259	2261	2614	2705	3215	2856	3568	3746	3096	3364	4076	3844	
		26.4 Miles	Apr-93	Normandie	-	<u>1536</u>	1536	2049	2717	2783	2283	2194	2352	<u>2205</u>	2205	2816	3559	4087	3998	3018	3149	3142	
	605	20.7 Miles	Apr-97	Beverly	-	-	-	1286	3092	2957	3496	2676	2803	2305	3155	2695	2721	3757	3647	4391	3551	3473	
	Total					6611	15015	26439	34503	47268	46272	49812	44819	52676	45172	53719	54087	62474	71495	67440	67037	64438	64102
	% Change From Base Year														-	19%	20%	38%	58%	49%	48%	43%	42%
Freeways w/o HOV Lanes	2			Trentway										<u>2052</u>	2052	1884	2016	1386	2316	1122	1146	1260	
	5			Greenwood										1945	3090	3120	3255	3100	2995	1880	2200	1755	
	101			Encino										3984	3816	4122	3714	3600	3648	3192	2544	2946	
	710			Gage										-	-	-	-	-	-	-	-	-	
	Total													7981	8958	9126	8985	8086	8959	6194	5890	5961	
	% Change From Base Year													-	12%	14%	13%	1%	12%	-22%	-26%	-25%	

Note: For statistical purposes, if the data of the year is not available and the facility was open at the time, the data for the following year is used.

* Volume for Carpools, Vanpools, and Buses. All other volumes are Carpools and Vanpools only. Violators excluded

Total Number of Carpools on Freeways (PM Peak 2-Hour)



Note: The volume on freeways w/ HOV lanes is the total carpool volume at various locations on freeways, I-10, SR-14, SR-57, SR-60, SR-91, I-105, I-110, SR-118, SR-134, SR-170, I-210, I-405, and I-605.
The volume on freeways w/o HOV lanes is the total carpool volume at various locations on freeways, SR-2, I-5, US-101, and I-710.

HOV LANE LEGISLATION

- Senate Bill 63 (SB 63) which became effective January 1, 2000, reduced the minimum occupancy requirement from 3 to 2 persons per vehicle on the I-10 El Monte Busway, on a 24-hour basis. Signs were changed and the facility was monitored through electronic counts, tachometer runs, and manual counts for six months. The Department submitted an operational report to the Legislature. The conclusion – The HOV facility became congested for a couple of hours during the morning and afternoon peak periods; Buffer violations increased from vehicles exiting the congested HOV lane; Observed a significant reduction of 3-person carpools; Public inquiries increased to various agencies and officials regarding the facility.
- Assembly Bill 71 (AB 71) which became effective July 1, 2000, allowed certain clean air vehicles to use the State's HOV system, regardless of the number of people in the vehicle. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. Signs were installed on all HOV facilities in California.
- Assembly Bill 769 (AB 769) which became effective July 24, 2000, overrode Senate Bill 63, and restored the 3 or more occupancy requirement during the peak hours, on the I-10 El Monte Busway. Senate Bill 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. These delays were conveyed to elected officials and various agencies. The 3 or more persons requirement is currently in effect Monday through Friday from 5-9a.m. and 4-7p.m.; The 2-person carpools are allowed to use the HOV lanes all other times. Signs were changed and the facility was monitored for five months. The Department submitted an operational report to the Legislature. The conclusion – The facility is no longer congested, however the occupancy violation rate in the peak period sometimes reaches 50%; More regulatory signs displaying the hours and occupancy requirement were added to the facility; Implemented increased presence and enforcement by the California Highway Patrol. The 3+/2+ variable occupancy HOV lane is still in effect with FHWA approval.
- Assembly Bill 1871 (AB 1871) which became effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14 between Santa Clarita and Palmdale. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the Route 5/14 direct connectors will be completed in the year 2013.
- Assembly Bill 2628 (AB 2628) was signed by the Governor and became law on January 1, 2005, with a sunset date of January 1, 2008. This bill allows hybrid vehicles meeting specified criteria to use the High Occupancy Vehicle (HOV) lanes regardless of the number of occupants. The Department of Motor Vehicles' decal must be displayed on the vehicle to qualify for the exemption. The bill prohibits the Department of Motor Vehicles (DMV) from issuing more than 75,000 decals for specified hybrid vehicles. See AB 2628 for details.
- Assembly Bill 2600 (AB 2600) was signed by the Governor on September 29, 2006, which extends the HOV lane provisions of AB 2628. AB 2600 increases the number of carpool decals available for qualified hybrid vehicles by 10,000 to 85,000 decals. It also extends the sunset date of the program by three years to January 1, 2011.

Clean Air Stickers - High Occupancy Vehicle Lane Usage

A vehicle that meets specified emissions standards may be issued Clean Air Vehicle Stickers that allow the vehicle to be operated by a single occupant in the High Occupancy Vehicle (carpool or diamond) lanes of California's freeways. See Vehicle Code (VC) §§[5205.5](#) and [21655.9](#).

White or yellow Clean Air Stickers are issued according to the following criteria:



White Clean Air Sticker

A vehicle that meets California's super ultra-low emission vehicle (SULEV) standard for exhaust emissions **and** the federal inherently low-emission vehicle (ILEV) evaporative emission standard.

A 2004 model-year or older vehicle that meets the California ultra-low emission vehicle (ULEV) standard for exhaust emissions **and** the federal ILEV standard.



Yellow Clean Air Sticker

A **hybrid** or alternative fuel vehicle that meets California's advanced technology partial zero-emission vehicle (AT PZEV) standard for criteria pollutant emissions **and** has a 45 miles per gallon or greater fuel economy highway rating.

A 2004 model-year or older **hybrid** vehicle that has a 45 mile per gallon or greater fuel economy highway rating **and** meets California's ultra-low emission vehicle (ULEV), super ultra-low emission vehicle (SULEV), or partial zero-emission vehicle (PZEV) standards.

The 85,000 Clean Air Vehicle Stickers (yellow) that VC §5205.5 allows for hybrid vehicles have been assigned. Original Clean Air Stickers will no longer be issued to hybrids; however, substitute stickers may be issued if the original is damaged.

To find out if your vehicle qualifies, check the [California Air Resources Board \(ARB\) website](#).

PLEASE NOTE:

- All Clean Air Stickers remain with the vehicle they were originally issued to and *cannot be transferred to any other vehicle*. If you purchase a vehicle that has a Clean Air Sticker you may transfer the sticker to your name.
- If you acquire a hybrid vehicle with Clean Air Vehicle Stickers attached, and are a resident of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano or Sonoma County, you must obtain a Bay Area FasTrak account before you drive as a sole occupant in a high-occupancy vehicle (carpool or diamond) lane.
- All Clean Air Vehicle stickers will expire January 1, 2011, unless the law authorizing their use is extended beyond that date.
- Carpool lane use may be restricted at any time by state and federal law for all Clean Air Vehicles carrying fewer occupants than the posted minimum requirement, if their presence is determined by the California Department of Transportation to contribute to increased traffic congestion, increased travel times, decreased sustained travel speeds, or other factors affecting any carpool lane or segment of that lane.
- Clean air vehicles that meet the posted minimum occupancy requirements for carpool lanes are not subject to the above restrictions.

Clean Air Stickers - High Occupancy Vehicle Lane Usage

How To Apply for Clean Air Vehicle Stickers

The 85,000 Clean Air Vehicle Stickers (yellow) that VC §5205.5 allows for hybrid vehicles have been assigned. Original Clean Air Stickers will no longer be issued to hybrids; however, substitute stickers may be issued if the original is damaged.

1. Complete an [Application for Clean Air Vehicle Stickers \(REG 1000\)](#). The vehicle must have a permanent license plate assigned before a sticker can be issued.
2. Submit the completed application and Clean Air Sticker fee to the address on the REG 1000 form.

Your Clean Air Vehicle Stickers will be mailed to you. Do not drive as a sole occupant in the high-occupancy vehicle (carpool or diamond) lanes until you receive the stickers and affix them to your vehicle.

Transferring Clean Air Vehicle Stickers to Your Name

1. Complete an [Application for Clean Air Vehicle Stickers \(REG 1000\)](#).
2. Write "transfer" on the blank line below the "Replacement" box.
3. If the clean air vehicle is a hybrid and you are a resident of Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano or Sonoma County, you must include an original Bay Area FasTrak receipt as evidence of a "FasTrak" toll account. The FasTrak receipt must show evidence that a toll account was issued specifically to your hybrid vehicle. **Do not** submit evidence of pre-existing FasTrak accounts for other vehicles, as this will delay your application. Bay area applicants are advised to contact Bay Area FasTrak at 877-229-8655 or visit the [Bay Area FasTrak website](#) before submitting a request to transfer Clean Air Stickers for a hybrid vehicle.
4. Submit the completed REG 1000 and FasTrak receipt to the address on the REG 1000 form.

Replacement Clean Air Vehicle Stickers

1. Complete an [Application for Clean Air Vehicle Stickers \(REG 1000\)](#).
2. Check the "Replacement" box.
3. Submit the completed REG 1000 and the [Clean Air Sticker substitute fee](#) to the address on the REG 1000 form.

Your Clean Air Vehicle Stickers will be mailed to you. **Do not** drive as a sole occupant in the high-occupancy vehicle (carpool or diamond) lanes until you receive the stickers and affix them to your vehicle.

HOV RAMP METERING AND HOV BYPASS LANES

There are approximately 900 on-ramps and 19 freeway-to-freeway connectors that are metered in Los Angeles and Ventura Counties; of which, 353 have separate HOV bypass lanes, where the HOVs do not have to stop at the ramp meter signal. However, as of mid June 2007, ramp meters were activated on the HOV bypass lanes at 3 locations along Route 210. This marks the beginning of HOV bypass lane metering at on-ramps, in District 07. The activation of these meters is part of an on-going construction project to convert HOV by-pass lanes or meter them at the same rate as mix flow lanes at all on-ramp locations along Route 210. Ramp metering is one of the traffic management tools to regulate the flow of traffic entering the freeways during the peak traffic hours. Ramp metering will:

- a. Smooth the overall flow of freeway traffic
- b. Accommodate more vehicles per hour on the freeway
- c. Decrease commuting travel times
- d. Increase safety on the freeway

Ramp metering is an integral part of the *Traffic Operations Program Strategic Plan* which outlines the program's commitment to focus first on implementing operational strategies to reduce congestion and increase safety on California's state highway system. Ramp metering increases the capacity of the mixed flow lane and enables traffic to flow at greater speeds. Freeway congestion is most often caused by a bottleneck, where the freeway demand exceeds the freeway capacity. This condition usually occurs during the weekday peak hours, but some freeways experience congestion during the mid-day and some on weekends. When the demand exceeds the capacity, congestion creates queues of stop-and-go traffic, and ramp metering limits the amount of traffic entering the freeway so that the demand at the bottleneck does not exceed the capacity. A free-flowing traffic lane can carry 33% more cars than a congested lane.

On weekdays, most ramp meters operate 4 to 10 hours during peak traffic periods. Some ramps are metered all day, including weekends. The rate at which vehicles are allowed onto the freeway is determined by the traffic demand at the on-ramp, as well as the freeway volume. The mainline responsive controllers react to the volumes on the freeway, such that if the volumes decrease significantly, then the meter will adjust and allow more vehicles onto the freeway. If the freeway volumes are very light, the meter may go to continuous green.

Projects within freeway segments identified in the *Ramp Meter Development Plan* should include provisions for ramp metering. However, there are ramp locations that are not metered, due to the heavy volume of traffic and/or insufficient storage area for the metered vehicles.

FREEWAYS & HIGHWAYS IN SOUTHERN CALIFORNIA

ROUTE		ROUTE	
LA/VEN 01	PACIFIC COAST HWY	LA 90	IMPERIAL HWY MARINA FWY
LA 02	GLENDAL Fwy SANTA MONICA BLVD	LA 91	ARTESIA Fwy RIVERSIDE Fwy GARDENA Fwy
LA 05	GOLDEN STATE Fwy SANTA ANA Fwy	LA/VEN 101	LA - HOLLYWOOD Fwy VEN - VENTURA Fwy
LA 10	SANTA MONICA Fwy SAN BERNARDINO Fwy	LA 103	TERMINAL ISLAND Fwy
LA 14	ANTELOPE VALLEY Fwy	LA 105	GLENN ANDERSON (CENTURY) Fwy
LA 18	PALMDALE RD	LA 107	HAWTHORNE AVE
LA 19	ROSEMEAD BLVD	LA 110	HARBOR Fwy PASADENA Fwy
LA 22	GARDEN GROVE Fwy	LA/VEN 118	RONALD REAGAN Fwy
LA/VEN 23	LA - WESTLAKE BLVD VEN - MOORPARK Fwy	LA/VEN 126	VEN - SANTA PAULA Fwy/TELEGRAPH RD LA - MAGIC MOUNTAIN PKWY LA - KOREAN WAR VETERANS MEM HWY
LA 27	TOPANGA CANYON BLVD	LA 133	LAGUNA CANYON RD
VEN 33	OJAI Fwy / MARICOPA HWY	LA 134	VENTURA Fwy
VEN 34	SOMIS-LEWIS RD	LA 138	PEARBLOSSOM HWY
LA 39	ORA - BEACH BLVD L.A. - AZUSA AVE	LA 142	CARBON CANYON RD
LA 42	MANCHESTER BLVD	VEN 150	OJAI SANTA PAULA RD CASSITAS PASS RD
LA 47	VINCENT THOMAS BRIDGE	LA 164	ROSEMEAD BLVD
LA 49	LANCASTER RD AVENUE D	LA 170	HOLLYWOOD Fwy
LA 55	COSTA MESA Fwy NEWPORT BLVD	LA 187	VENICE BLVD
LA 57	ORANGE Fwy	LA 210	FOOTHILL Fwy
LA 60	POMONA Fwy	LA 213	WESTERN AVE
LA 66	FOOTHILL BLVD	VEN 232	VINEYARD AVE
LA 71	CORONA EXPRESSWAY	LA 405	SAN DIEGO Fwy
LA 72	WHITTIER BLVD	LA 605	SAN GABRIEL RIVER Fwy
LA 73	73 Fwy	LA 710	LONG BEACH Fwy
LA 74	ORTEGA HWY		

Park and Ride Lots

Lot Name	Route No.	Post Mile	Lot Address	City
Verdugo	2	17.0	Verdugo Blvd. at Hilldale Dr.	LaCanada
Lakewood-West Lot	5	8.3	Route 5 @ 9004 Lakewood Blvd.	Downey
Citadel	5	12.6	5675 E. Telegraph Rd.	Commerce,90040
Garey/Rte 10	10	45.7	Route 10/Garey @ 110 E. McKinley	Pomona
Fire Station	10	28.7	11333 Valley Blvd.	El Monte,91734
United Meth Church	10	36.5	718 S. Azusa Ave.	W. Covina,91791
United Meth Church	10	37.0	437 W. San Bernardino Rd.	Covina,91723
Indian Hills Market Place	10	47.7	1460 E. Holt	Pomona,91767
Newhall-East Lot	14	27.1	20100 W San Fernando Rd(126)/E of Rte 14	Newhall
Newhall-West Lot	14	27.1	20516 W. San Fernando Rd.	New Hall
Oak Creek	14	27.1	23610 San Fernando 1/2 mi. W. of Route 14	Newhall
Golden Valley	14	29.5	Rte 14@Golden Valley Road (3 Lots)	Santa Clarita
Pearblossom	14	54.2	Rte 14@Sierra Highway	LA County
Ave S & Geiger Ave.	14	58.2	Ave. S. & Geiger Ave.	Palmdale
Ave K @ Route 14	14	66.7	1601 W. Ave K @ Route 14	Lancaster
Pathfinder Rd.	57	3.4	Pathfinder Rd. @ Rte. 57	Diamond Bar
Lanterman	57	5.6	3530 W. Pomona Blvd.	Pomona,91768
Diamond Bar-East	60	25.6	100 N. Diamond Bar Blvd.	Diamond Bar
Diamond Bar-West	60	25.6	101 N. Diamond Bar Blvd.	Diamond Bar
United Meth Church	60	22.8	20601 La Puente	Walnut,91788
Kanan Rd. (Southeast Lot)	101	35.1	Rte 101/Kanan & 29165 Roadside(SE)	Agoura Hills
Borchard Rd.	101	7.0	Rte 101 @ Borchard Rd/475 Rancho Conejo	Thousand Oaks
Pleasant Valley	101	12.3	Rte 101@Pleasant Valley Rd./Santa Rosa Rd.	Camarillo
Las Posas Rd.	101	15.7	Rte 101 @ Las Posas Rd/690 Ventura Blvd	Camarillo
Methodist Church	101	20.7	5619 Lindley Ave	Tarzana,91356
Army National Guard	101	25.0	1270 Arundell Ave.	Ventura,93003
Aviation	105	2.2	Rte 105@Aviation	El Segundo
Hawthorne	105	3.7	Rte 105@Hawthorne Boulevard	Hawthorne
Crenshaw	105	5.0	Rte 105@Crenshaw on 120th Street	Inglewood
Vermont Ave.	105	7.4	Rte 105@Vermont Avenue	Athens
Century/Harbor Junction	105	7.7	Rte 105@Rte 110 - 117th St. & Figueroa St.	Los Angeles
Avalon	105	8.9	Rte. 105@Avalon (Central st)	Los Angeles
Willowbrook/Imperial	105	10.4	Rte 105@Wilmington (Blue Line)	Willowbrook
Long Beach Blvd.	105	11.6	Rte 105@Long Beach Boulevard	Lynwood
Lakewood Blvd.	105	17.4	Rte 105@Lakewood Boulevard	Downey
I-105 Termination	105	18.8	Rte. 105@Studebaker/Hoxie	Norwalk
San Pedro II	110	1.2	515 N. Beacon@Harbor Blvd.	San Pedro
San Pedro	110	1.3	Battery St./Gaffey St./610 Channel St.	San Pedro
Harbor Park	110	3.9	Route 110/ PCH & 1345 W. Pacific Coast Highway	Wilmington
Carson (Opened 1997)	110	6.8	Rte 110@Carson Street	Los Angeles County
Artesia (Opened 1997)	110	9.8	Rte 110@Rte 91	Los Angeles
Rosecrans (Opened 1997)	110	11.9	Rte 110@Rosecrans Avenue	Los Angeles
Manchester (Opened 1997)	110	15.8	Rte 110@Manchester Avenue	Los Angeles
Slauson (Opened 1997)	110	18.0	Rte 110@Slauson Avenue	Los Angeles
Baptist Church	110	10.7	15810 Denker Ave.	Gardena,90247
Chatsworth	118	31.9	15550 Chatsworth St	Chatsworth
Porter Ranch	118	11.4	Rte. 118 @ Porter Ranch.	Chatsworth
GH Masonic Temple	118	8.5	16535 Rinaldi Street	Granada Hills, 91344
Lutheran Church	118	10.5	15950 Chatsworth St.	Granada Hills,91344
Erringer	118	24.8	Erringer Rd. @ Rte. 118	Simi Valley
Moorpark College	118	17.5	Route 118@Collins Avenue	Moorpark
Sycamore Dr.	118	25.7	2599 Sycamore Dr. @ Rte. 118	Simi Valley
Stearns	118	28.8	2501 Stearns St @ Rte 118	Simi Valley
Tapo Canyon	118	27.3	Tapo Canyon Dr. @ Rte. 118	Simi Valley
Farmer's Insurance	118	26.0	3041 Cochran St.	Simi Valley,93099
Swanks Chevron	118	28.8	2449 Stearns St @ Rte 118	Simi Valley,93063
K-Mart	126	10.2	895 Faulkner Rd.	Santa Paula, 93060
Glendale	134	8.8	Route 134 & Route 2	Glendale
Rte 170/Oxnard	170	16.6	Route 170 @ 1200 Oxnard St.	North Hollywood
Paxton	210	6.0	12501 Foothill Blvd @ I-210 & Paxton St	Pacoima
Lowell	210	16.1	Route 210 @ 3930 Lowell Ave.	Glendale
Sierra Madre Blvd.	210	29.4	Sierra Madre Blvd. @ Rte. 210	Pasadena
Grand Ave	210	41.5	Route 210@628 W. Baseline Rd.@Grand Av.	Glendora
Lone Hill	210	44.2	Route 210 @ 1000 S. Lone Hill Ave	Glendora
Via Verde/210	210	47.2	Route 210 @ 105 Via Verde	San Dimas
Citrus College	210	40.6	1000 Foothill Blvd.	Glendora,91741
Skirball & Mulholland	405	36.7	Route 405 @ 2350 Skirball Center Drive	Los Angeles
McDonald Douglas	405	3.3	3855 Long Beach Bl. Conant&Clark	Long Beach,90846
Carson Mall	405	11.2	20700 S. Avalon Blvd.	Carson,90746
St John's Church	405	5.8	11000 National Blvd.	L.A.,90064
Congres. Church	405	23.3	7300 W. Manchester Ave	L.A., 90045

HOV VIOLATION FINES

The Judicial Council of California sets the fines and maintains the Uniform Bail and Penalty Schedules (UBPS) for traffic violations. In that schedule, the minimum fine is \$380 (or \$381 with night court assessment) for an occupancy violation per Section 21655.5(b) or a buffer violation per Section 21655.8(a) of the California Vehicle Code.

The minimum fine is comprised of:

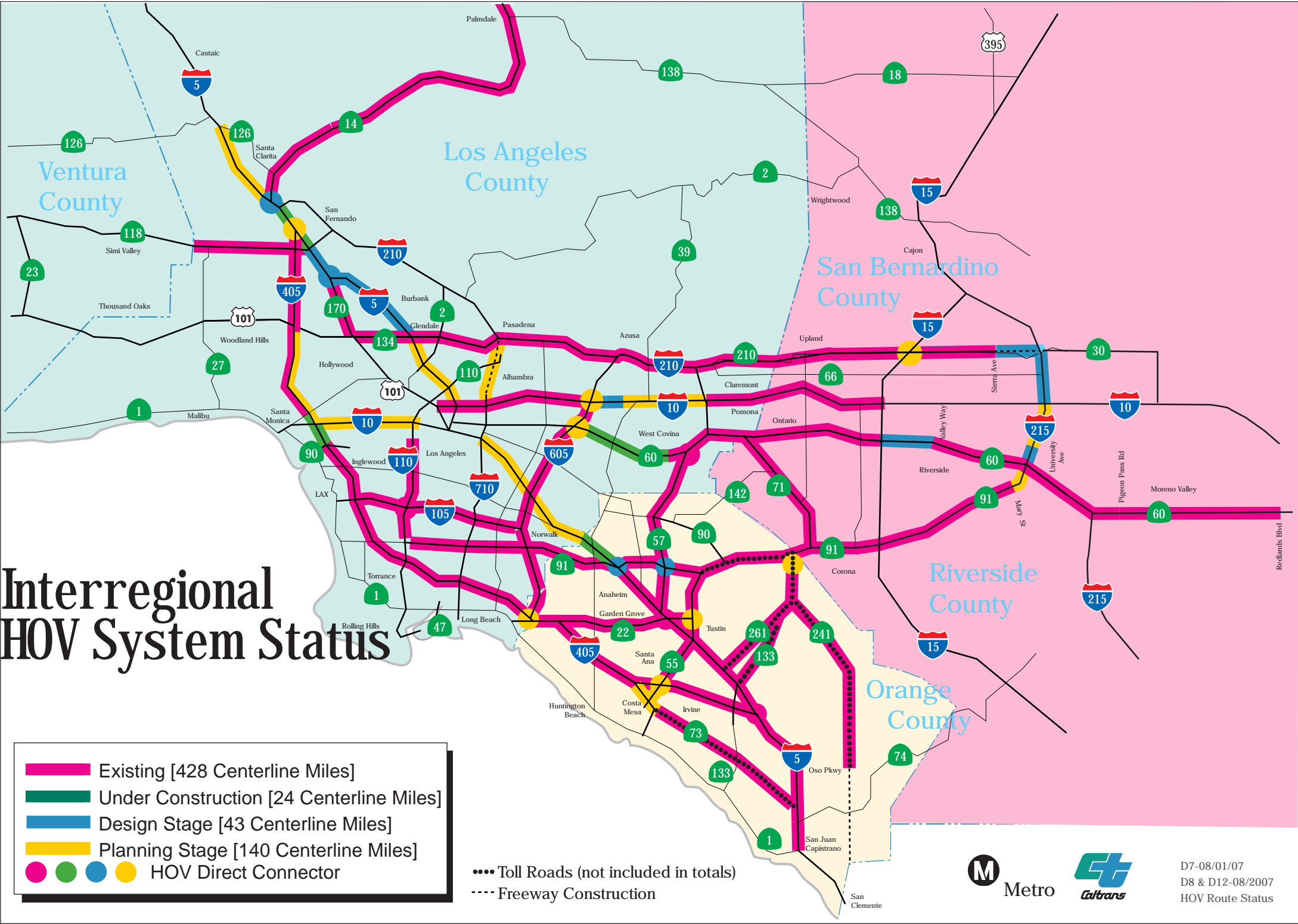
- (A) **Exclusive or Preferential Use Lanes per Section 42001.11 of the California Vehicle Code.**
Every person convicted of an infraction for a violation of Section 21655.5 or 21655.8 shall be punished as follows:
 - (1) For a first conviction, a fine of not less than one hundred dollars (\$100), nor more than one hundred fifty dollars (\$150).
 - (2) For a second conviction within a period of one year, a fine of not less than one hundred fifty dollars (\$150), nor more than two hundred dollars (\$200).
 - (3) For a third or any subsequent conviction within a period of two years, a fine of not less than two hundred fifty dollars (\$250), nor more than five hundred dollars (\$500)
- (B) **Additional Penalties* and Surcharge**.**
\$100 State*; \$70 County*; \$20 DNA*; \$50 Court*; \$20 EMS*
\$20**
- (C) **Night Court Assessment per Section 42006 of the California Vehicle Code.**
 - (a) Except as provided in subdivision (c), there may be levied a special assessment in an amount equal to one dollar (\$1) for every fine and forfeiture, imposed and collected by any court which conducts a night session of the court, on all offenses involving a violation of a section of this code or any local ordinance adopted pursuant to this code, except offenses relating to parking.
 - (b) When a person makes a deposit of bail for an offense to which this section applies, in a case in which the person is required to appear in a court which conducts a night session, the person making the deposit shall also deposit a sufficient amount to include the assessment prescribed in this section for forfeited bail. If bail is forfeited, the amount of the assessment shall be transmitted by the clerk of the court to the county treasury for disposition as prescribed by subdivision (d).
 - (c) If a court conducts sessions at two or more locations, the court may do either of the following:
 - (1) Levy assessments only on those persons who are required to appear at the location where night sessions are held.
 - (2) Levy assessments on persons who have the option to appear at a location where night court sessions are held and that location is within 25 miles of the location of the court where the person is otherwise required to appear, if the court prepares and submits a report to the Legislative Analyst on or before February 1, 1986, which itemizes the additional costs of the night court session or sessions for the calendar years of 1983, 1984, and 1985, and the revenues received from the assessment levied under subdivision (a) in those calendar years.
 - (d) After a determination by the court of the amount of the assessment due, the clerk of the court shall collect the amount and transmit it to the county treasury to be deposited in the night court session fund, and the money in the fund shall be expended by the county for maintaining courts in the county which have night sessions for traffic offenses.
 - (e) In any case where a person convicted of any offense to which this section applies is imprisoned until the fine is satisfied, the judge shall waive the penalty assessment.

L.A. County HOV System Status

Existing [234 Centerline Miles]
 Under Construction [22 Centerline Miles]
 Design Stage [21 Centerline Miles]
 Planning Stage [69 Centerline Miles]
 HOV Direct Connector

••• Toll Roads (not included in totals)
 - - - Freeway Construction

Metro Caltrans



Interregional HOV System Status

- Existing [428 Centerline Miles]
- Under Construction [24 Centerline Miles]
- Design Stage [43 Centerline Miles]
- Planning Stage [140 Centerline Miles]
- HOV Direct Connector

..... Toll Roads (not included in totals)
- - - - Freeway Construction



D7-08/01/07
D8 & D12-08/2007
HOV Route Status



FACT SHEET

ROUTE 10 SAN BERNARDINO FREEWAY EL MONTE BUSWAY

Project Limits & Length:	FROM ALAMEDA ST TO BALDWIN AVE	11 MILES
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	5.9 MILES
	FROM BALDWIN AVE TO ROUTE 605	3.2 MILES
Date of Opening:	FROM ALAMEDA ST TO BALDWIN AVE	JAN 1973
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	NOV 13, 2003
	FROM BALDWIN AVE TO ROUTE 605	FEB 4, 2005
Cost:	FROM ALAMEDA ST TO BALDWIN AVE	\$58.0 MILLION
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	\$77.3 MILLION
	FROM BALDWIN AVE TO ROUTE 605	\$50.4 MILLION
Current Peak Hr Volume:	1466 VEHICLES @ JACKSON (HOV 3+)	
Park & Ride Facilities: (Lot No./Lot Name)	29/Fire station; 115/United Meth Church; 20/United Meth Church 88/Garey/Rte 10; 87/Indian Hills Market Place.	
Number of Ingress/Egress:	FROM ALAMEDA ST TO ROUTE 605	3 E/B, 6 W/B
	FROM ROUTE 57 TO SAN BERNARDINO CO. LINE	2 E/B, 3 W/B

Unique Features:

Fly over on & off ramps at Del Mar. Bus only connectors to and from I-710 north of I-10; Four on line stations at El Monte, University, Hospital, and Union Station.

SB 63 – Authored by Senator Solis – approved and was enacted January 1, 2000, which lowered the occupancy requirement from 3 or more to 2 or more persons per vehicle. Caltrans and MTA studies have predicted detrimental affects on the operation of the facility.

AB 769 – Effective July 24, 2000, overrode SB 63 and restored the 3 or more occupancy requirements during peak hours. SB 63 had attracted too many users to the HOV lane and caused considerable congestion to peak hour traffic. The 3 or more persons requirement is currently in effect Monday through Friday 5:00 – 9:00 A.M. and 4:00 – 7:00 P.M.

CALTRANS - DISTRICT 7

HOV Operation on Route 10

Co. Rte. Dir.	LA - 10 - WB	LA - 10 - WB
Location	JACKSON	JACKSON
Post Mile	25.09	25.09
Date	11/14/06	11/14/06
HOV Peak Hour	6:30 - 7:30 AM	6:30 - 8:30 AM
Occupancy Requirement	3 + AM HOV Peak Hour	3 + AM HOV Peak 2 - Hour
HOV VEHICLE SUMMARY		
Carpools	1301	2501
Vanpools	35	44
Buses	72	136
Motorcycles	58	101
HOV lane Violators	49	79
Total Vehicles in HOV Lane	1515	2861
Carpools Using Mainline	15	35
Hybrid Vehicles in HOV Lane	77	167
HOV People Summary (Peak Hour)		
People in Carpool & Vanpools	4204	7815
People in Buses	2530	4790
People on Motorcycles	58	101
Violators	92	92
Total HOV People	6884	12798
Mainline Summary (Peak Hour)		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	5775	10525
Mixed-Flow People	6285	11480
Mixed-Flow People/Lane	1571	2870
Trucks on Mainlines	180	343
Freeway Summary (Peak Hour)		
Total Mixed-Flow People	6285	11480
Total HOV People	6884	12798
Total Freeway People	13169	24278
Percent Carried in HOV Lane	52.27%	52.71%
Percent Carried per Mixed-Flow Lane	11.93%	11.82%
Occupancy (Peak Hour)		
HOV Occupancy	4.54	4.47
Mainline Occupancy	1.09	1.09
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	4.38	4.46

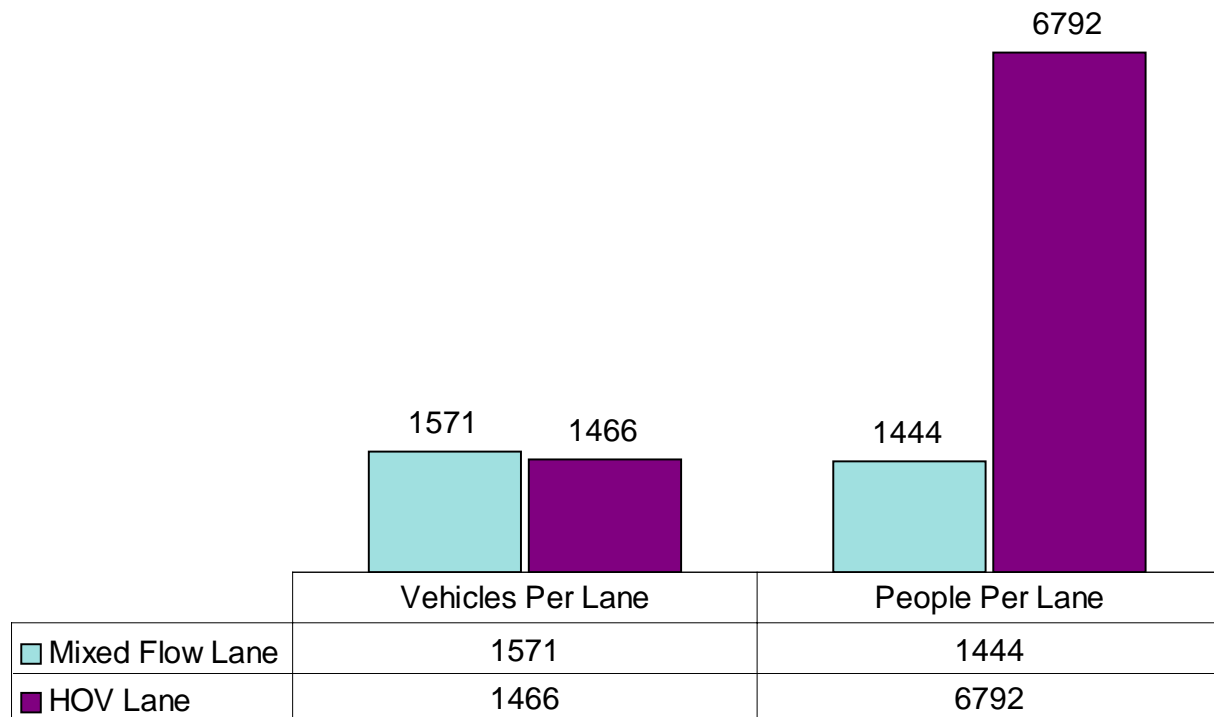
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

CALTRANS - DISTRICT 7
HOV Operation on Route 10

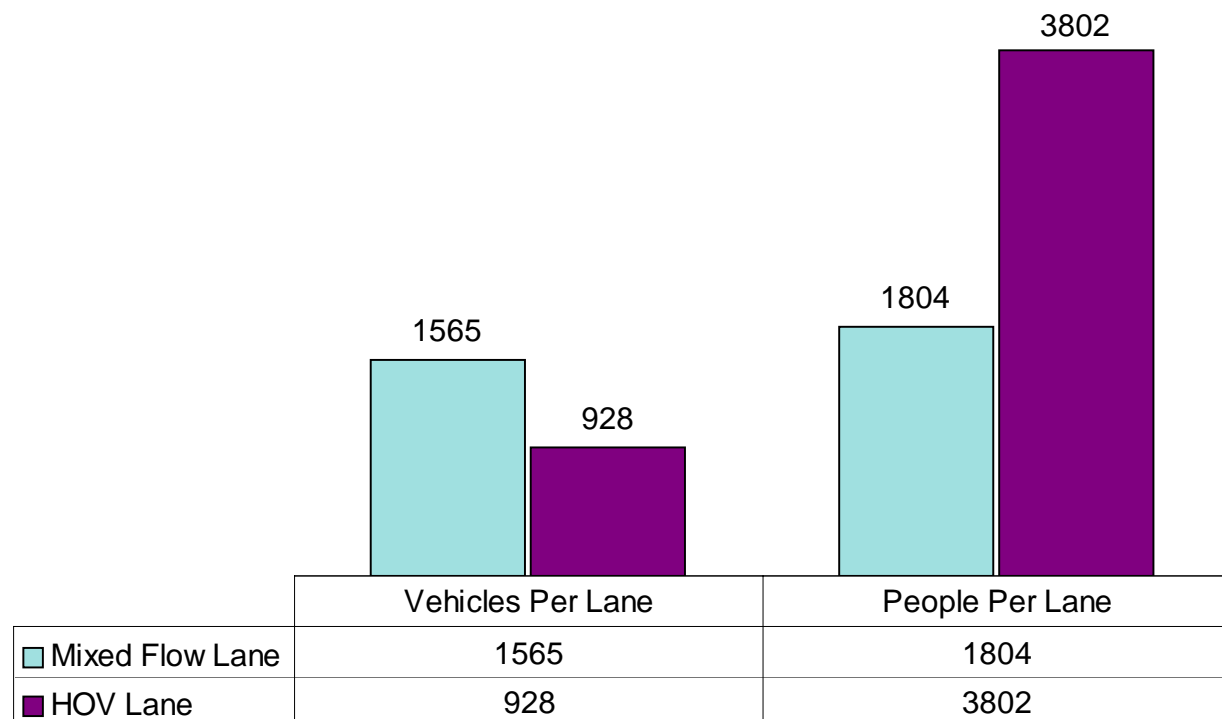
Co. Rte. Dir.	LA - 10 - EB	LA - 10 - EB
Location	JACKSON	JACKSON
Post Mile	25.09	25.09
Date	11/16/06	11/16/06
HOV Peak Hour	15:00 - 16:00 PM	16:15 - 17:15 PM
Occupancy Requirement	2 +	3 +
HOV VEHICLE SUMMARY		
Carpools	1058	774
Vanpools	23	66
Buses	24	41
Motorcycles	49	47
HOV lane Violators	18	157
Total Vehicles in HOV Lane	1172	1085
Carpools Using Mainline	670	80
Hybrid Vehicles in HOV Lane	34	59
HOV People Summary (Peak Hour)		
People in Carpool & Vanpools	2413	2733
People in Buses	581	1022
People on Motorcycles	49	47
Violators	18	303
Total HOV People	3061	4105
Mainline Summary (Peak Hour)		
Mixed-Flow lanes	4	4
Mixed-flow Vehicles	6500	6260
Mixed-Flow People	7245	7215
Mixed-Flow People/Lane	1811	1804
Trucks on Mainlines	163	131
Freeway Summary (Peak Hour)		
Total Mixed-Flow People	7245	7215
Total HOV People	3061	4105
Total Freeway People	10306	11320
Percent Carried in HOV Lane	29.70%	36.26%
Percent Carried per Mixed-Flow Lane	17.57%	15.93%
Occupancy (Peak Hour)		
HOV Occupancy	2.61	3.78
Mainline Occupancy	1.11	1.15
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.69	2.28

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-10-W/B @ Jackson Ave
 Date/Time: 11-14-06 / 6:30-7:30 AM

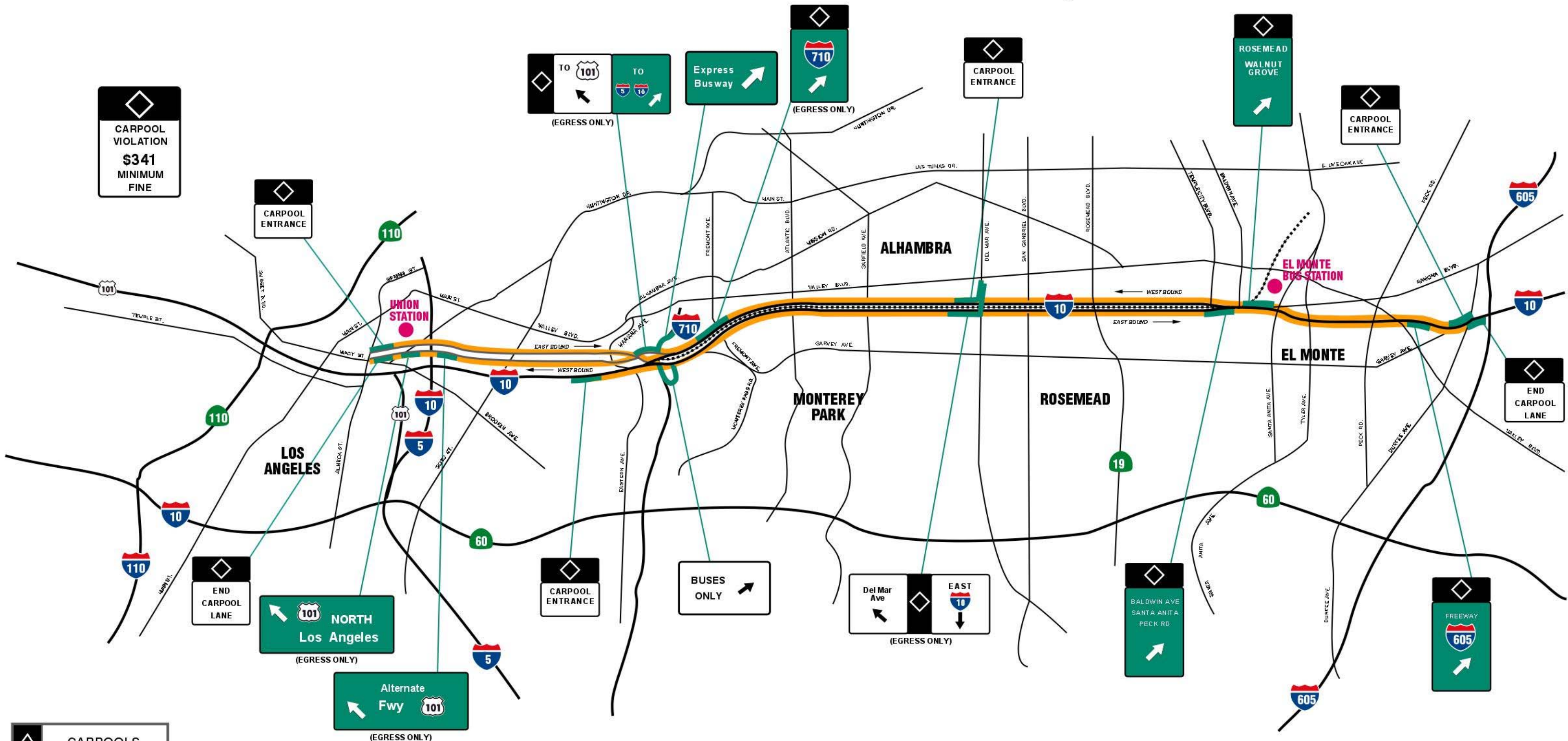


Location: LA-10-E/B @ Jackson Ave
 Date/Time: 11-16-06 / 4:15-5:15 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.



SAN BERNARDINO FREEWAY HOV LANE

Alameda St. to San Gabriel River Freeway



	CARPOOLS 3 OR MORE PERSONS PER VEHICLE
MON-FRI	5 - 9 AM
	4 - 7 PM
	2 OR MORE ALL OTHER TIMES

California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235

NO SCALE

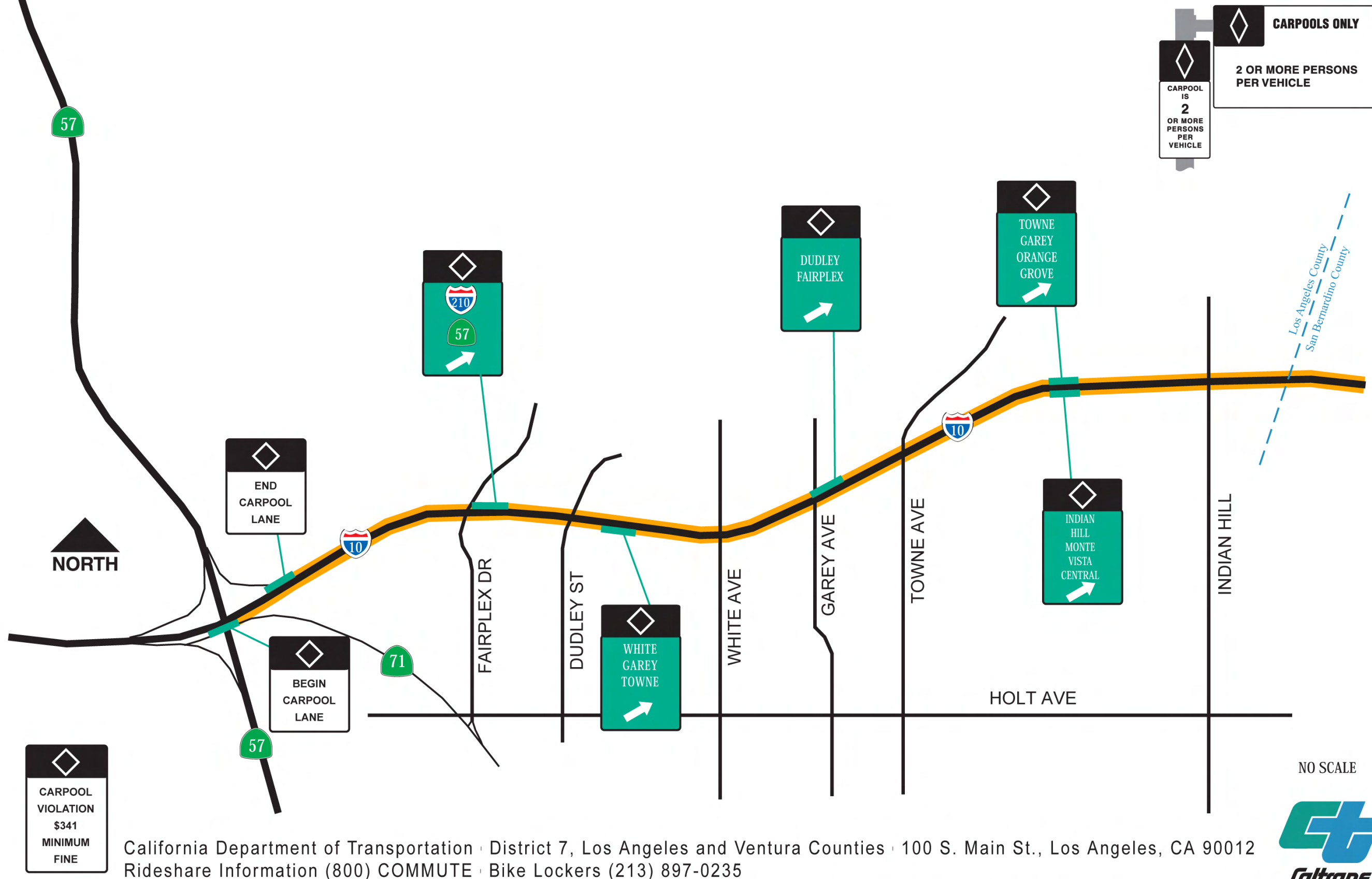


10_HOV.FH11 3/15/2005



SAN BERNARDINO FREEWAY HOV LANE

Orange Freeway (Rte 57) to San Bernardino County Line



California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235





FACT SHEET

ROUTE 14 ANTELOPE VALLEY FREEWAY

Project Limits & Length:	FROM SAN FERNANDO RD TO SAND CANYON	6.7 MILES
	FROM SAND CANYON TO ESCONDIDO	10.6 MILES
	FROM ESCONDIDO TO PEARBLOSSOM	10.5 MILES
	FROM ROUTE 5 TO SAN FERNANDO RD	2.2 MILES
	FROM PEARBLOSSOM TO AVE P-8	6.2 MILES
Date of Opening:	FROM SAN FERNANDO RD TO SAND CANYON	MAY 5, 1998
	FROM SAND CANYON TO ESCONDIDO	SEP. 23, 1999
	FROM ESCONDIDO TO PEARBLOSSOM	JUL. 29, 2002
	FROM ROUTE 5 TO SAN FERNANDO RD	AUG. 3, 2002
	FROM PEARBLOSSOM TO AVE P-8	AUG. 18, 2006
Cost:	FROM SAN FERNANDO RD TO SAND CANYON	\$23.8 MILLION
	FROM SAND CANYON TO ESCONDIDO	\$31.8 MILLION
	FROM ESCONDIDO TO PEARBLOSSOM	\$60.5 MILLION
	FROM ROUTE 5 TO SAN FERNANDO RD	\$5.4 MILLION
	FROM PEARBLOSSOM TO AVE P-8	\$32.3 MILLION
Current Peak Hr Volume:	1520 VEHICLES @ GOLDEN VALLEY	
Park & Ride Facilities: (Lot No./Lot Name)	69/Newhall-East Lot; 71/Oak Creek; 99/Golden Valley; 81/Pearblossom Lot No./Ave S & Geiger Ave; 52/Ave K at Route 14	
Number of Ingress/Egress:	FROM AVENUE P-8 TO ROUTE 5	14 N/B, 15 S/B

Unique Features:

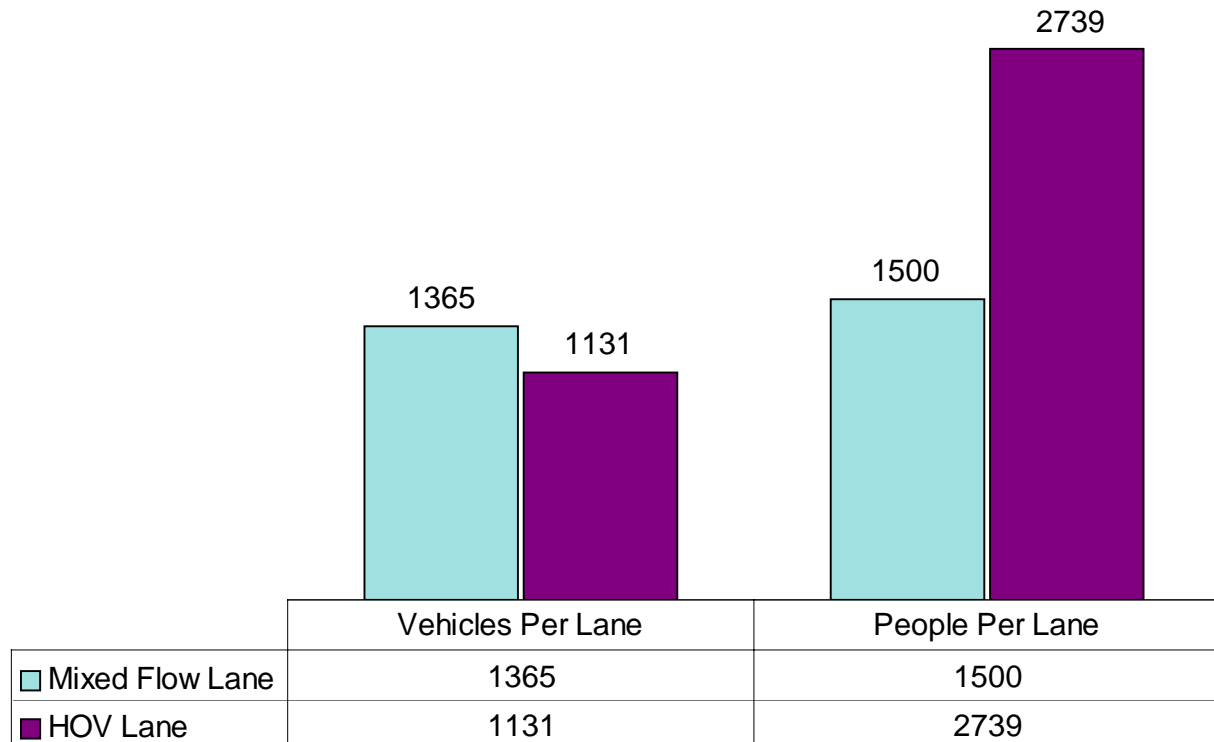
AB 1871 - Effective January 1, 2001, began an 18-month demonstration project to evaluate part-time use of the HOV lanes on State Route 14. This project only allows carpools in the HOV lanes during peak periods (Southbound, 5-9a.m. and Northbound, 3-7p.m., Monday - Friday). Solo drivers are allowed to use the HOV lanes all other times. The double-yellow buffer lines will remain throughout the demonstration, and users still need to observe the designated openings for entering and exiting the HOV lanes. Some of the openings (ingress/egress locations) were lengthened in April 2001 to provide more access on the steep uphill grades of the facility. FHWA has agreed with the recommendation of Caltrans to continue with the part-time operation of HOV lanes on SR-14 freeway until such time as needed to convert to full-time, given the 5/14 direct connectors will be completed in the year 2013.

CALTRANS - DISTRICT 7
HOV Operation on Route 14

Co. Rte. Dir.	LA - 14 - SB		LA - 14 - NB	
Location	GOLDEN VALLEY		GOLDEN VALLEY	
Post Mile	29.68		29.68	
Date	12/20/06		02/15/07	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:30 - 7:30	6:30 - 8:30	16:30 - 17:30	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1087	1923	1418	2170
Vanpools	21	25	67	97
Buses	11	13	6	7
Motorcycles	12	23	29	59
HOV lane Violators	1	1	9	24
Total Vehicles in HOV Lane	1132	1985	1529	2357
Carpools Using Mainline	345	630	278	119
Hybrid Vehicles in HOV Lane	20	39	40	59
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2387		3331	
People in Buses	340		91	
People on Motorcycles	12		29	
Violators	1		9	
Total HOV People	2740		3460	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	3		3	
Mixed-Flow Vehicles	4095		4129	
Mixed-Flow People	4500		4459	
Mixed-Flow People/Lane	1500		1486	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	4500		4459	
Total HOV People	2740		3460	
Total Freeway People	7240		7919	
Percent Carried in HOV Lane	37.85%		43.69%	
Percent Carried per Mixed-Flow Lane	20.72%		18.77%	
Occupancy (Peak Hour)				
HOV Occupancy	2.42		2.26	
Mainline Occupancy	1.10		1.08	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.83		2.33	

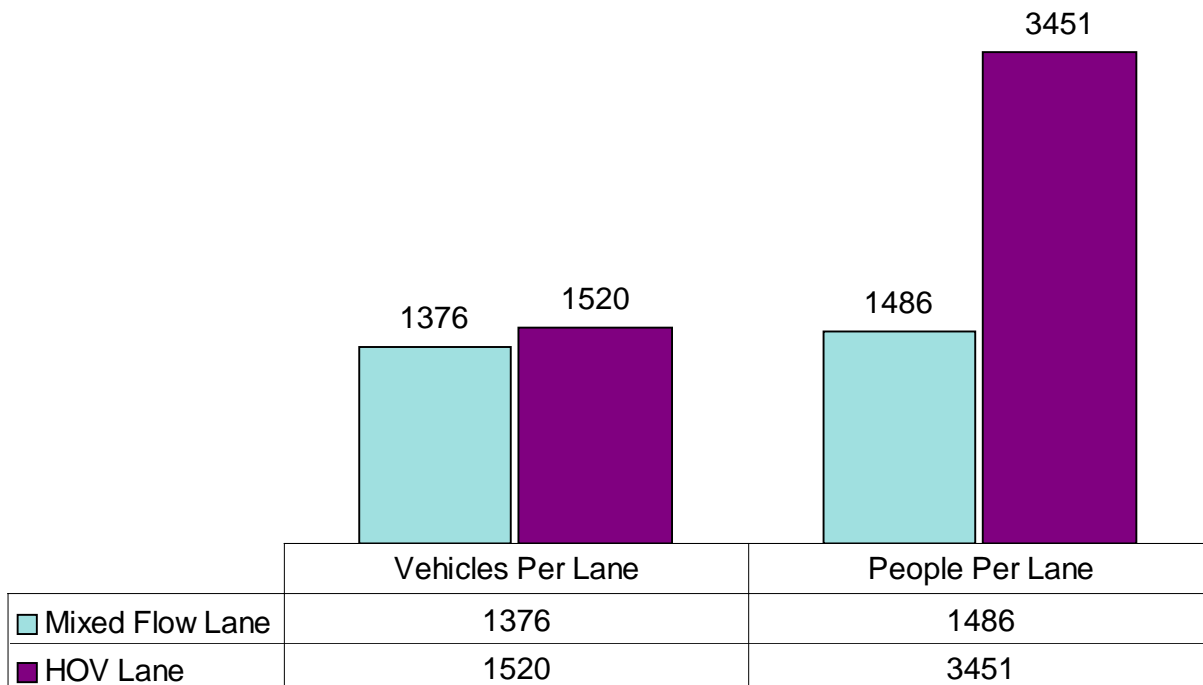
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-14-S/B @ Golden Valley

Date/Time: 12-20-06 / 6:30-7:30 AM



Location: LA-14-N/B @ Golden Valley

Date/Time: 02-15-07 / 4:30-5:30 PM

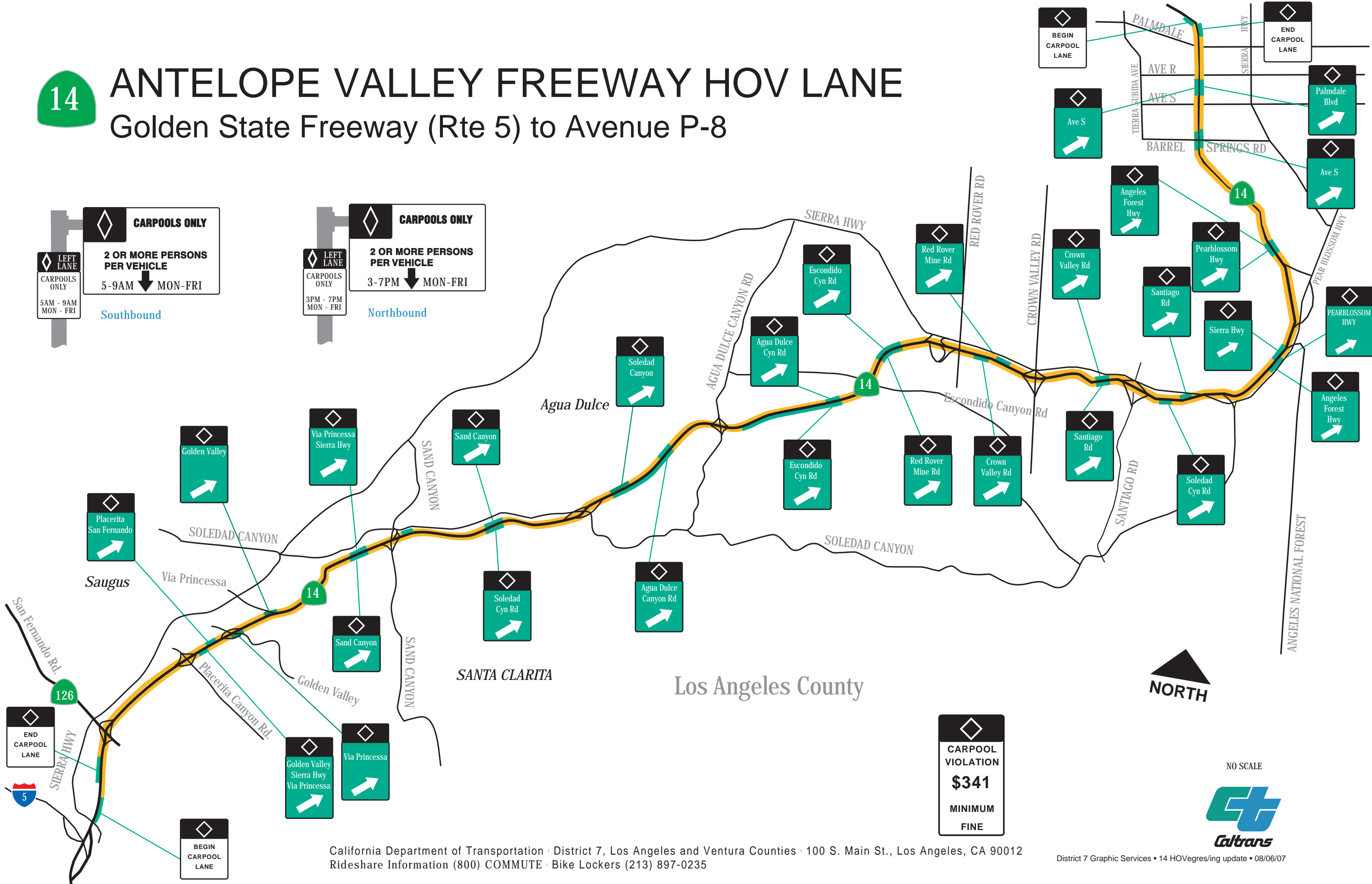
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)

14

ANTELOPE VALLEY FREEWAY HOV LANE

Golden State Freeway (Rte 5) to Avenue P-8





FACT SHEET

ROUTE 57 ORANGE FREEWAY

Project Limits & Length:	FROM ROUTE 60 TO ORANGE COUNTY LINE; 4.5 MILES
Date of Opening:	AUGUST 22, 1997
Cost:	\$18.2 MILLION
Current Peak Hr Volume:	1301 VEHICLES @ PATHFINDER
Park & Ride Facilities: (Lot No./Lot Name)	24/Pathfinder Rd; 86/Lanterman
Number of Ingress/Egress:	3 NORTHBOUND & 4 SOUTHBOUND

Unique Features:

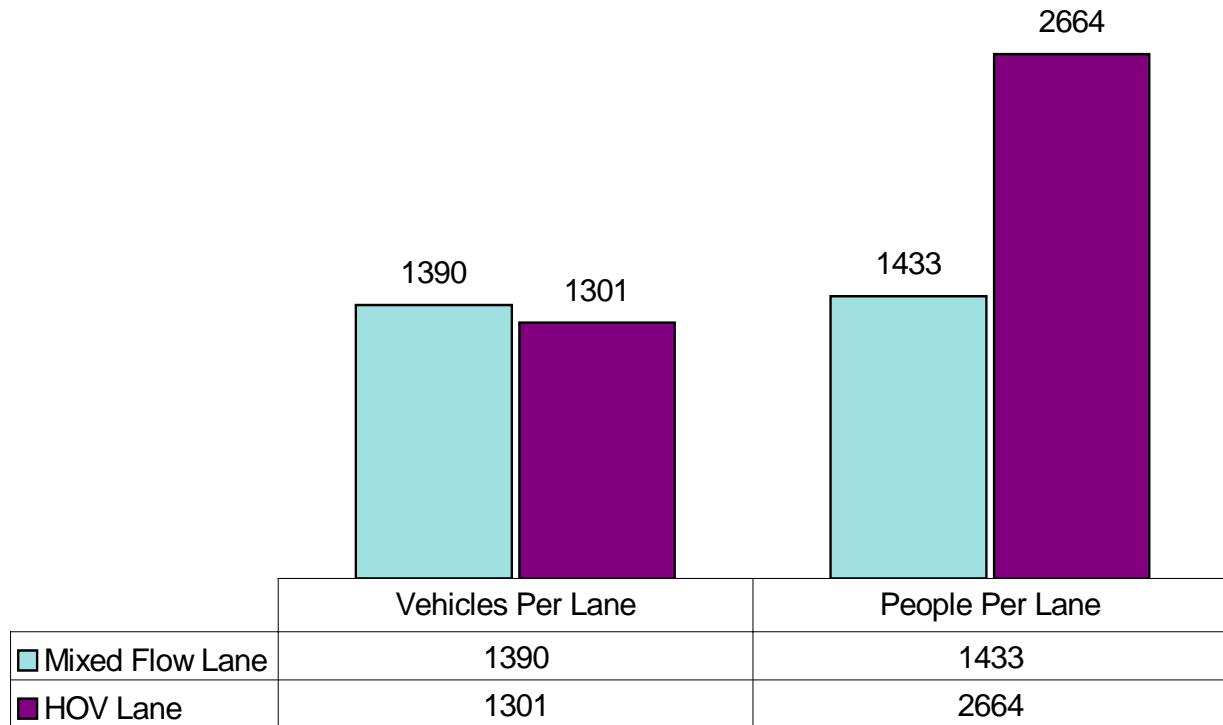
The freeway has High Occupancy Vehicle (HOV) Lane Direct Connectors at Route 57/60 interchange.
Opening date: February 23, 2007.

CALTRANS - DISTRICT 7
HOV Operation on Route 57

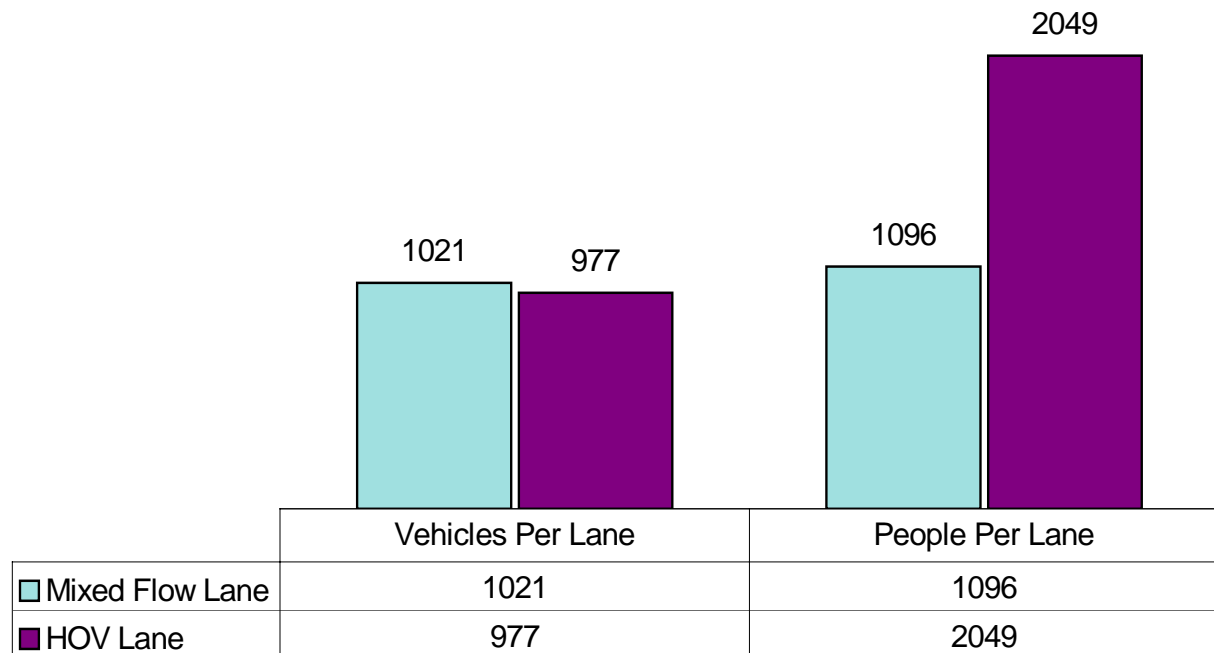
Co. Rte. Dir. Location Post Mile Date Occupancy Requirement	LA - 57 - SB PATHFINDER 3.16 05/02/07 2 +		LA - 57 - NB PATHFINDER 3.16 10/24/06 2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:45 - 7:45	6:30 - 8:30	15:00 - 16:00	15:00-17:00
HOV VEHICLE SUMMARY				
Carpools	1243	2367	950	1814
Vanpools	7	10	4	61
Buses	2	3	1	0
Motorcycles	49	99	22	61
HOV lane Violators	6	16	2	11
Total Vehicles in HOV Lane	1307	2495	979	1947
Carpools Using Mainline	155	275	250	105
Hybrid Vehicles in HOV Lane	75	153	25	65
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2613		2026	
People in Buses	2		1	
People on Motorcycles	49		22	
Violators	6		2	
Total HOV People	2670		2051	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5560		4085	
Mixed-Flow People	5730		4385	
Mixed-Flow People/Lane	1433		1096	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	5730		4385	
Total HOV People	2670		2051	
Total Freeway People	8400		6436	
Percent Carried in HOV Lane	31.79%		31.87%	
Percent Carried per Mixed-Flow Lane	17.05%		17.03%	
Occupancy (Peak Hour)				
HOV Occupancy	2.04		2.09	
Mainline Occupancy	1.03		1.07	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.86		1.87	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-57-S/B @ Pathfinder
 Date/Time: 05-02-07 / 6:45-7:45 AM



Location: LA-57-N/B @ Pathfinder
 Date/Time: 10-24-06 / 3:00-4:00 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)

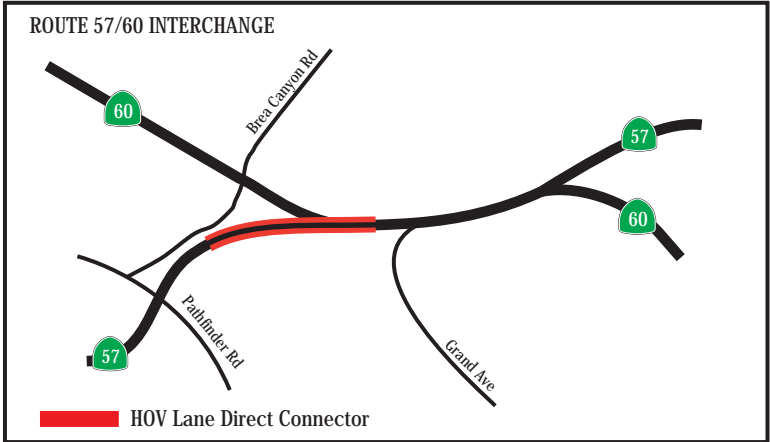


ORANGE FREEWAY HOV LANE

Pomona Freeway (Rte 60) to Orange County Line

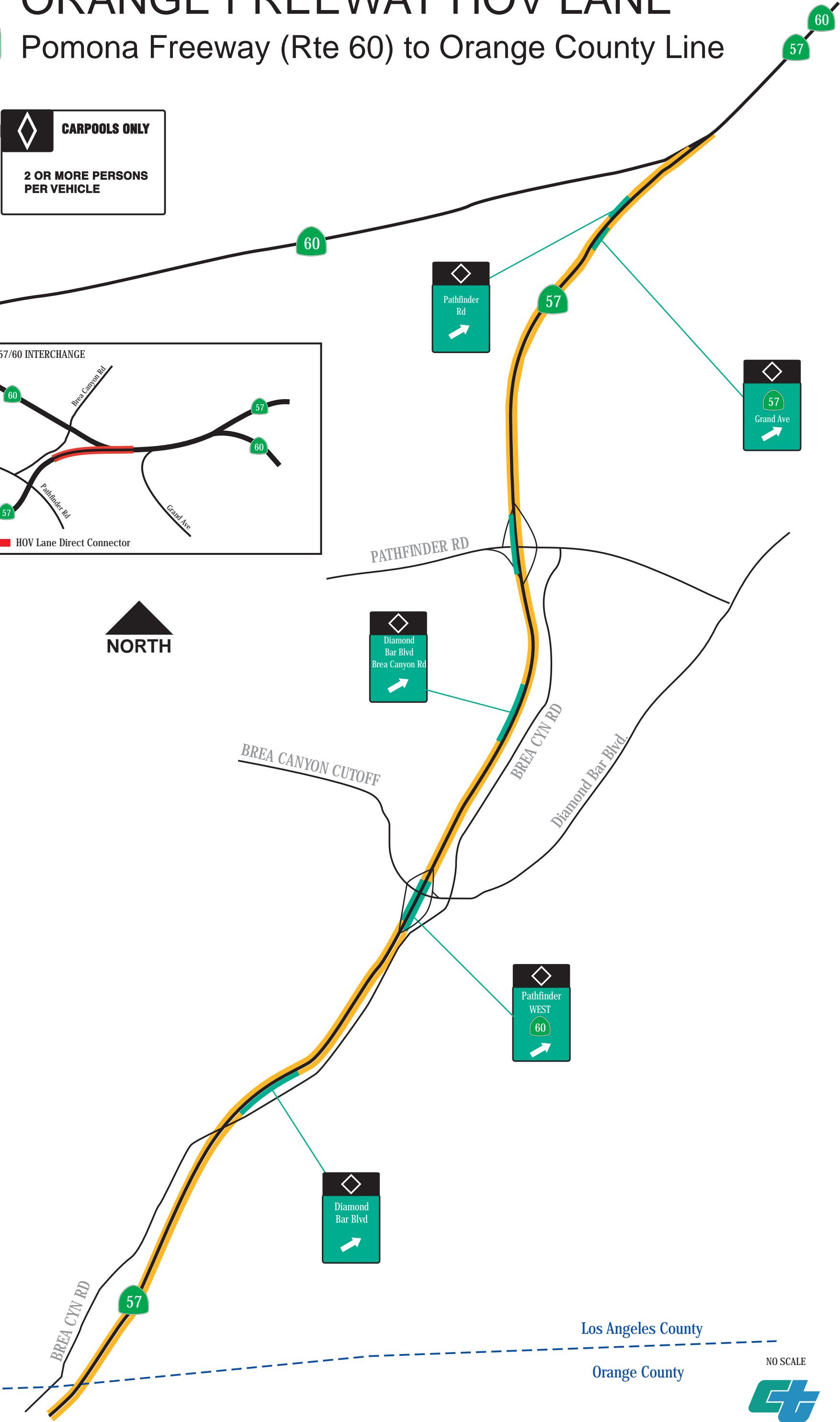
CARPOOLS ONLY

**2 OR MORE PERSONS
PER VEHICLE**



**CARPOOL
VIOLATION**

**\$341
MINIMUM
FINE**





FACT SHEET

ROUTE 60 POMONA FREEWAY

Project Limits & Length:	FROM BREYA CANYON TO RTE 57 N FROM RTE 57 N TO SBD CO. LINE	2.7 MILES 5.1 MILES
Date of Opening:	FROM BREYA CANYON TO RTE 57 N FROM RTE 57 N TO SBD CO. LINE	FEB. 2, 1999 FEB. 2, 1999
Cost:	FROM BREYA CANYON TO RTE 57 N FROM RTE 57 N TO SBD CO. LINE	\$5.5 MILLION \$20.8 MILLION
Current Peak Hr Volume:	1389 VEHICLES @ PHILLIPS RANCH	
Park & Ride Facilities: (Lot No./Lot Name)	110/United Meth Church; 22/Diamond Bar-East; 23/Diamond Bar-West	
Number of Ingress/Egress:	FROM SBD CO. LINE TO BREYA CANYON	2 E/B, 3 W/B

Unique Features:

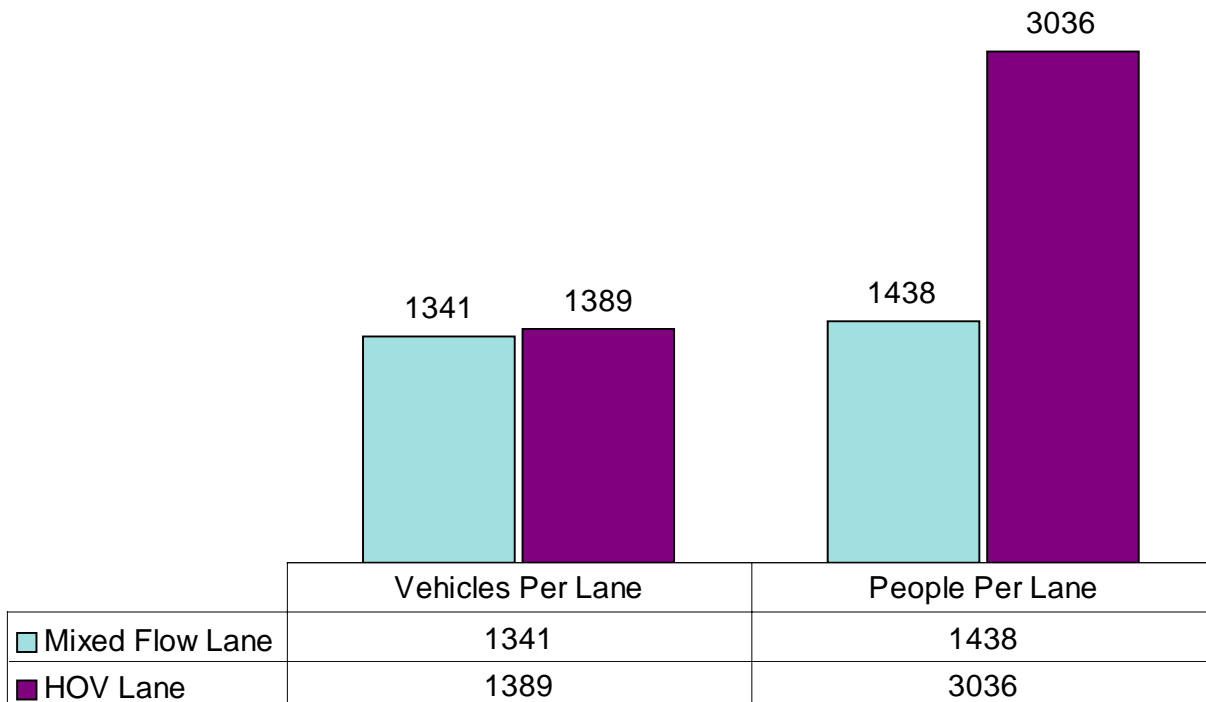
The freeway has High Occupancy Vehicle (HOV) Lane Direct Connectors at Route 60/57 interchange.
Opening date: February 23, 2007.

CALTRANS - DISTRICT 7
HOV Operation on Route 60

Co. Rte. Dir.	LA - 60 - WB		LA - 60 - EB	
Location	PHILLIPS RANCH		PHILLIPS RANCH	
Post Mile	28.04		28.04	
Date	12/13/06		12/12/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:45 - 7:45	6:30 - 8:30	16:00 - 17:00	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1357	2402	925	1747
Vanpools	9	14	10	17
Buses	5	8	1	1
Motorcycles	18	33	29	48
HOV lane Violators	0	0	1	1
Total Vehicles in HOV Lane	1389	2457	966	1814
Carpools Using Mainline	360	750	490	168
Hybrid Vehicles	41	58	9	17
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2908		1962	
People in Buses	110		10	
People on Motorcycles	18		29	
Violators	0		1	
Total HOV People	3036		2002	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5365		5625	
Mixed-Flow People	5750		6205	
Mixed-Flow People/Lane	1438		1551	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	5750		6205	
Total HOV People	3036		2002	
Total Freeway People	8786		8207	
Percent Carried in HOV Lane	34.55%		24.39%	
Percent Carried per Mixed-Flow Lane	16.36%		18.90%	
Occupancy (Peak Hour)				
HOV Occupancy	2.19		2.07	
Mainline Occupancy	1.07		1.10	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.11		1.29	

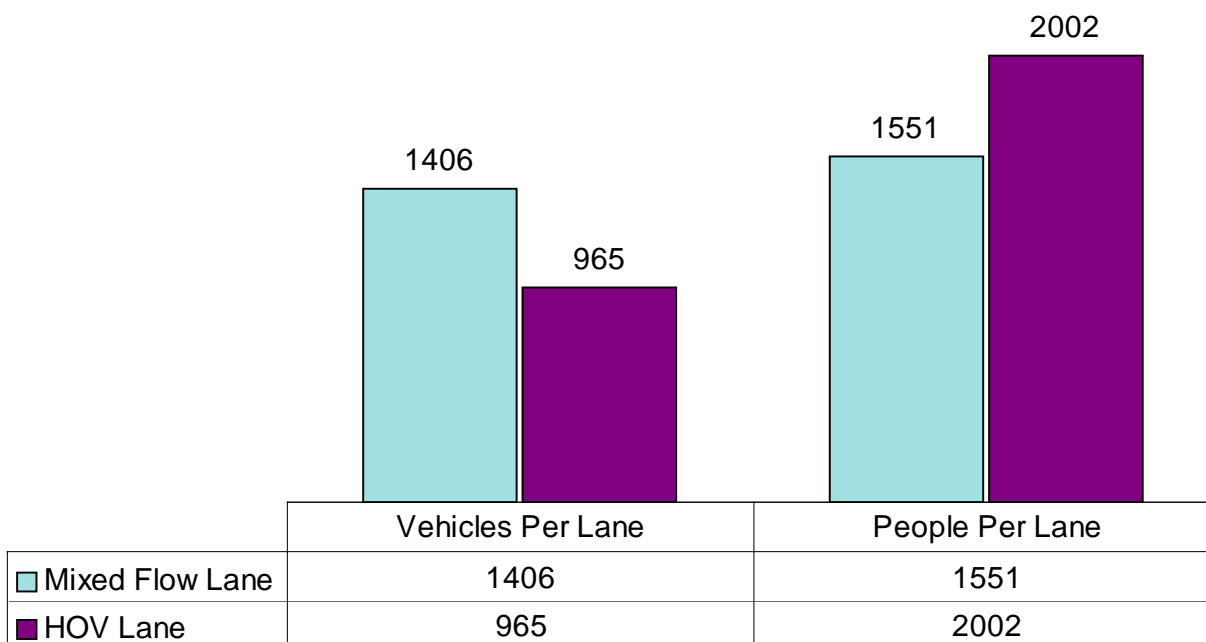
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-60-W/B @ Phillips Ranch

Date/Time: 12-13-06 / 6:45-7:45 AM



Location: LA-60-E/B @ Phillips Ranch

Date/Time: 12-12-06 / 4:00-5:00 PM

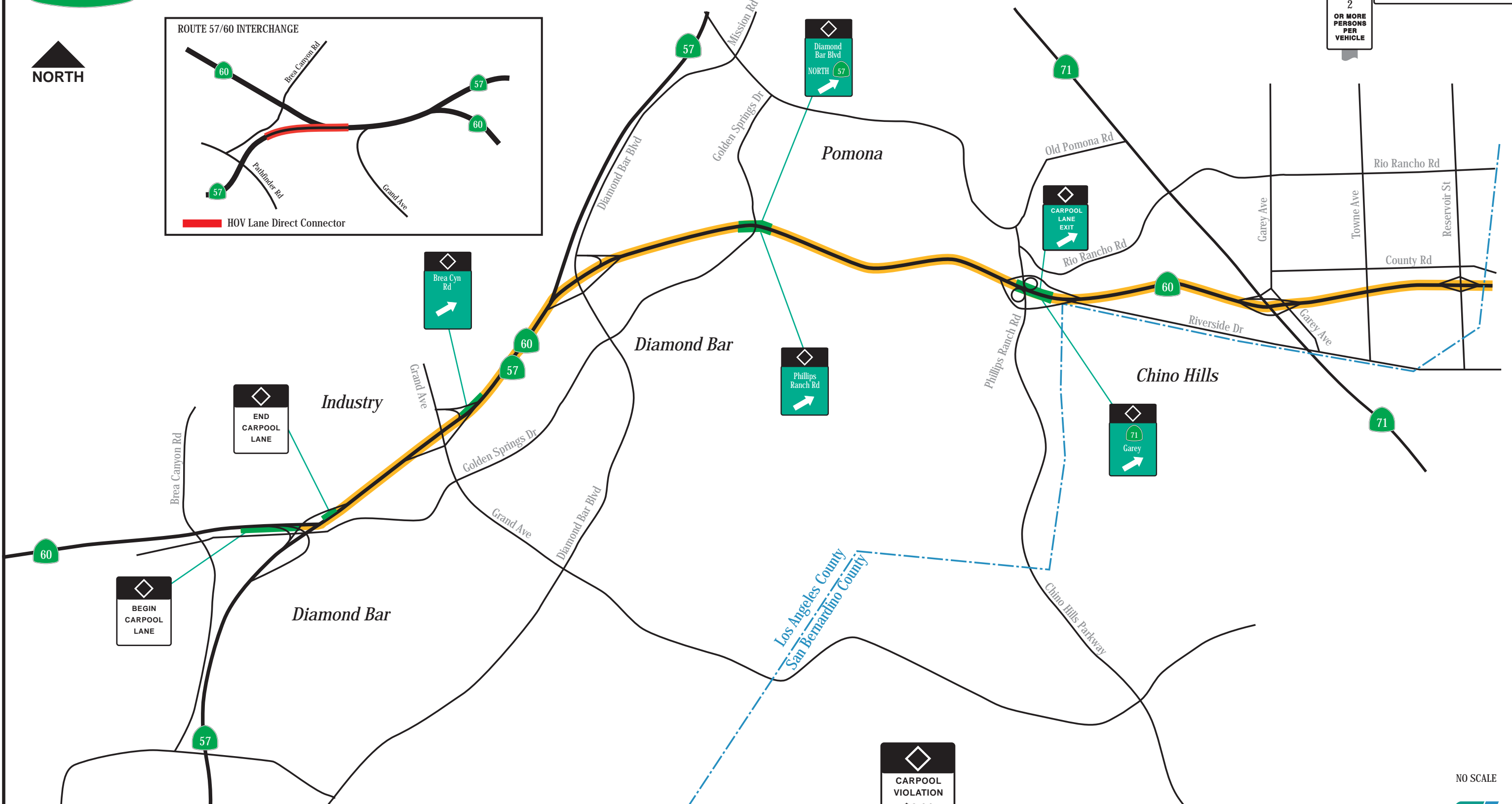
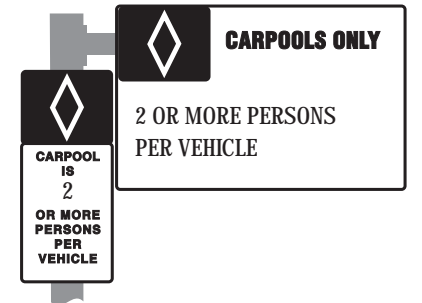
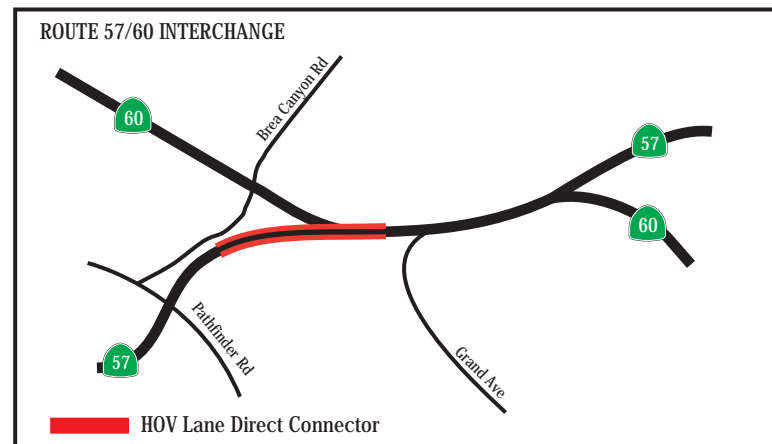
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



POMONA FREEWAY HOV LANE

Brea Canyon Road to San Bernardino County Line





FACT SHEET

ROUTE 91 ARTESIA FREEWAY

Project Limits & Length:	FROM ROUTE 110 TO ROUTE 605	10.5 MILES
	FROM ROUTE 605 TO ORANGE CO. LINE	4.9 MILES
Date of Opening:	FROM ROUTE 110 TO ROUTE 605	JUNE 10, 1985 (E/B)
	FROM ROUTE 110 TO ROUTE 605	MARCH 11, 1993 (W/B)
	FROM ROUTE 605 TO ORANGE CO. LINE	NOVEMBER 1994
Cost:	FROM ROUTE 110 TO ROUTE 605	\$ 0.7 MILLION
	FROM ROUTE 605 TO ORANGE CO. LINE	\$ 0.9 MILLION
Current Peak Hr Volume:	1462 VEHICLES @ BLOOMFIELD	
Park & Ride Facilities: (Lot No./Lot Name)	91/Levitz Furniture; 55/Butler	
Number of Ingress/Egress:	FROM ORA. CO. LINE TO ROUTE 110	5 E/B, 6 W/B

Unique Features:

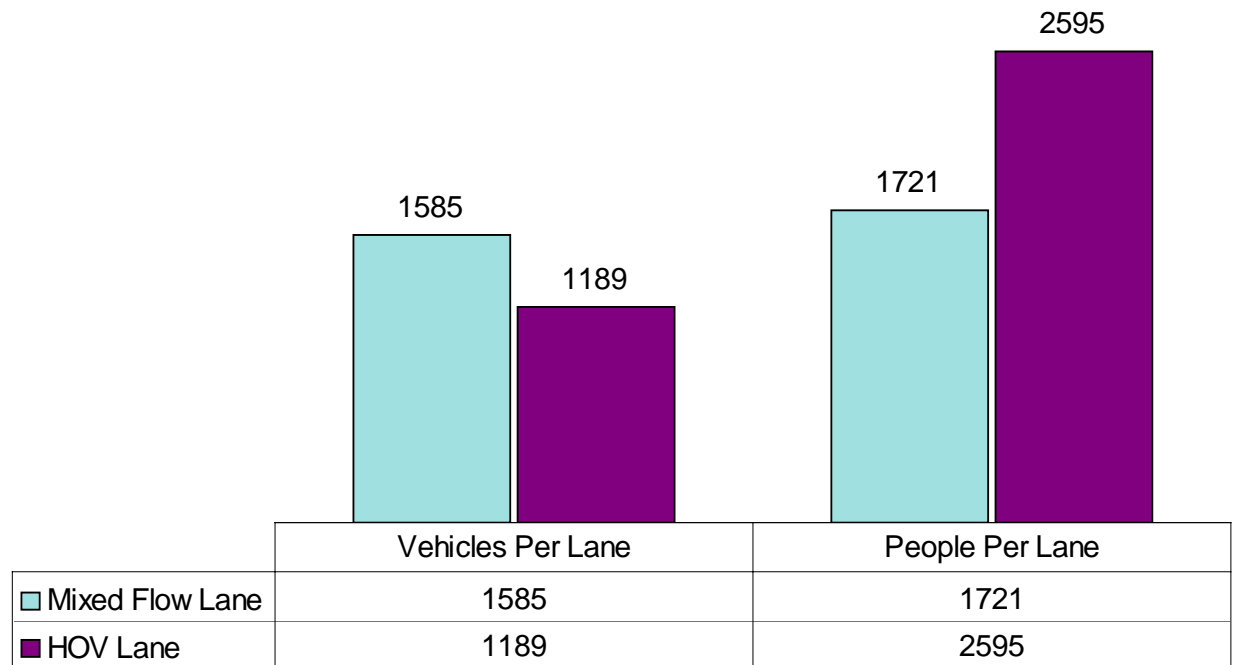
Temporary High Occupancy Vehicle (HOV) lane closure on Route 91 to replace pavement and median barrier and upgrade HOV lane signing.

CALTRANS - DISTRICT 7
HOV Operation on Route 91

Co. Rte. Dir.	LA - 91 - WB		LA - 91 - EB	
Location	BLOOMFIELD		ARTESIA	
Post Mile	19.17		19.43	
Date	02/15/07		12/20/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:45 - 7:45	6:30 - 8:30	16:15 - 17:15	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1133	2124	1374	2703
Vanpools	14	28	53	84
Buses	10	18	6	13
Motorcycles	32	73	29	57
HOV lane Violators	1	3	2	3
Total Vehicles in HOV Lane	1190	2246	1464	2860
Carpools Using Mainline	465	820	580	223
Hybrid Vehicles	107	297	90	150
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2451		3130	
People in Buses	112		121	
People on Motorcycles	32		29	
Violators	1		2	
Total HOV People	2596		3282	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	6340		6365	
Mixed-Flow People	6885		6965	
Mixed-Flow People/Lane	1721		1741	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	6885		6965	
Total HOV People	2596		3282	
Total Freeway People	9481		10247	
Percent Carried in HOV Lane	27.38%		32.03%	
Percent Carried per Mixed-Flow Lane	18.15%		16.99%	
Occupancy (Peak Hour)				
HOV Occupancy	2.18		2.24	
Mainline Occupancy	1.09		1.09	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.51		1.88	

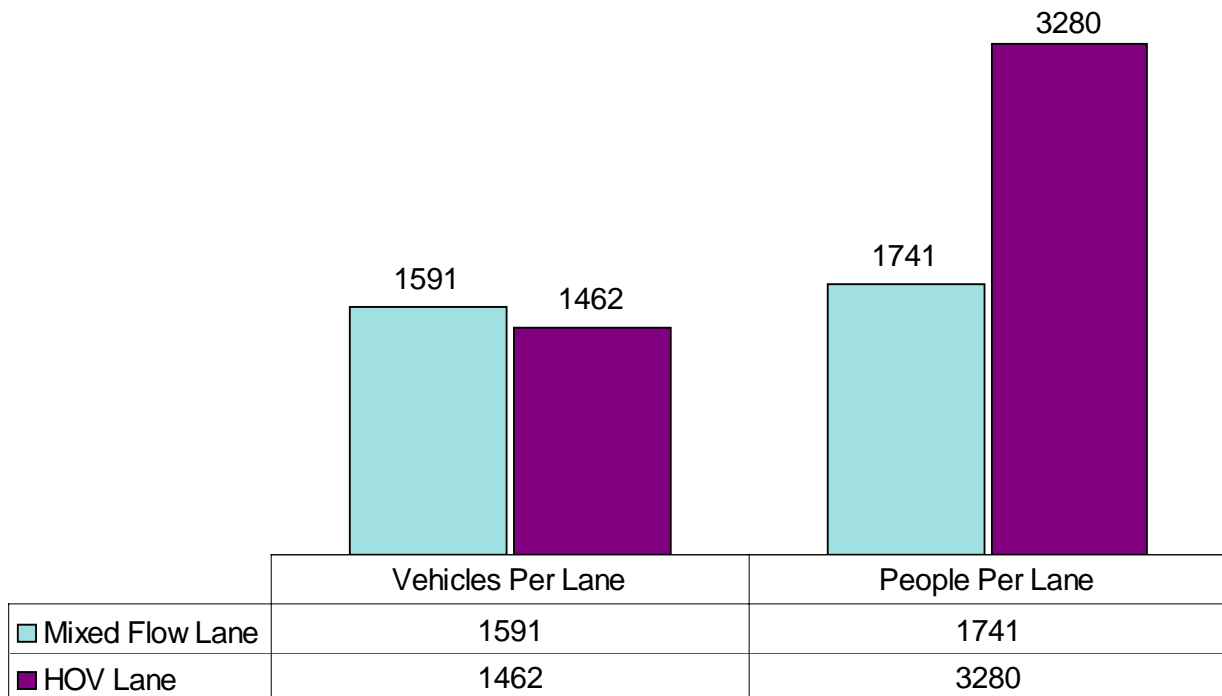
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-91-W/B @ Bloomfield

Date/Time: 02-15-07 / 6:45-7:45 AM



Location: LA-91-E/B @ Artesia

Date/Time: 12-20-06 / 4:15-5:15 PM

Note (1): Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

Note (2): Bloomfield/Artesia volume is used due to temporary HOV lane closure at Wilmington.

(This page intentionally left blank)



ARTESIA FREEWAY HOV LANE

Harbor Freeway (Rte110) to Orange County Line

CARPOOL IS 2 OR MORE PERSONS PER VEHICLE

CARPOOLS ONLY
2 OR MORE PERSONS PER VEHICLE



CARPOOL VIOLATION
\$341
MINIMUM FINE

California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235

NO SCALE





FACT SHEET

ROUTE 105 GLENN ANDERSON/ CENTURY FREEWAY

Project Limits & Length:	FROM ROUTE 405 TO ROUTE 605; 16.0 MILES
Date of Opening:	OCTOBER 14, 1993
Cost:	\$ 230.0 MILLIION
Current Peak Hr Volume:	1476 VEHICLES @ LONG BEACH BLVD
Park & Ride Facilities: (Lot No./Lot Name)	32/Aviation; 43/Hawthorne; 46/Crenshaw; 64/Vermont Ave; 65/Century and Harbor Junction; 66/Avalon; 119/Willowbrook; 67/Long Beach Blvd; 27/Lakewood Blvd; 74/I-105 Termination
Number of Ingress/Egress:	5 WESTBOUND & 6 EASTBOUND

Unique Features:

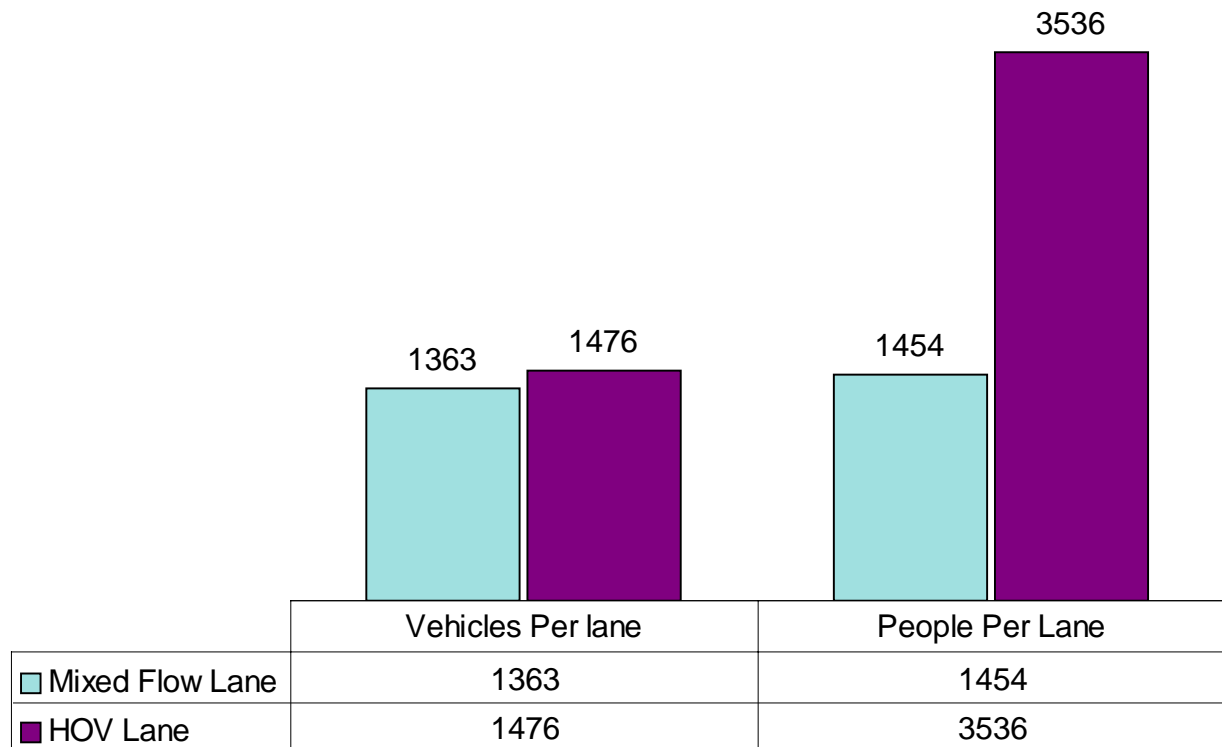
The freeway has High Occupancy Vehicle (HOV) Lane Direct Connectors at Route 105/110 interchange.

CALTRANS - DISTRICT 7
HOV Operation on Route 105

Co. Rte. Dir. Location Post Mile Date Occupancy Requirement	LA - 105 - WB LONG BEACH 11.51 11/01/06 2 +		LA - 105 - EB LONG BEACH 11.51 10/31/06 2 +	
	AM HOV Peak Hour 6:30 - 7:30	AM HOV Peak 2-Hour 6:30 - 8:30	PM HOV Peak Hour 16:00 - 17:00	PM HOV Peak 2-Hour 15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1398	2794	1199	2310
Vanpools	24	47	47	82
Buses	13	21	3	3
Motorcycles	41	86	48	104
HOV lane Violators	58	100	28	54
Total Vehicles in HOV Lane	1534	3048	1325	2553
Carpools Using Mainline	229	480	210	92
Hybrid Vehicles in HOV Lane	47	110	59	107
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	3104		2808	
People in Buses	391		42	
People on Motorcycles	41		48	
Violators	58		28	
Total HOV People	3594		2926	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	3		3	
Mixed-Flow Vehicles	4088		4309	
Mixed-Flow People	4361		4586	
Mixed-Flow People/Lane	1454		1529	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	4361		4586	
Total HOV People	3594		2926	
Total Freeway People	7955		7512	
Percent Carried in HOV Lane	45.18%		38.95%	
Percent Carried per Mixed-Flow Lane	18.27%		20.35%	
Occupancy (Peak Hour)				
HOV Occupancy	2.34		2.21	
Mainline Occupancy	1.07		1.06	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.47		1.91	

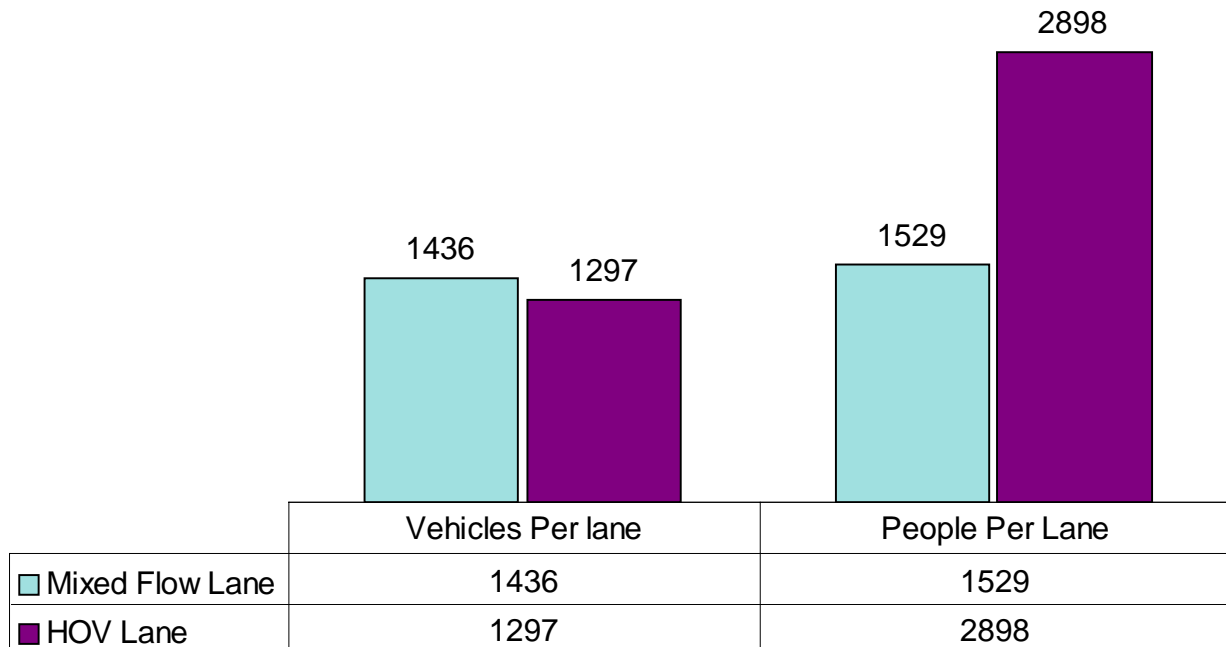
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-105-W/B @ Long Beach Blvd

Date/Time: 11-01-06 / 6:30-7:30 AM



Location: LA-105-E/B @ Long Beach Blvd

Date/Time: 10-31-06 / 4:00-5:00 PM

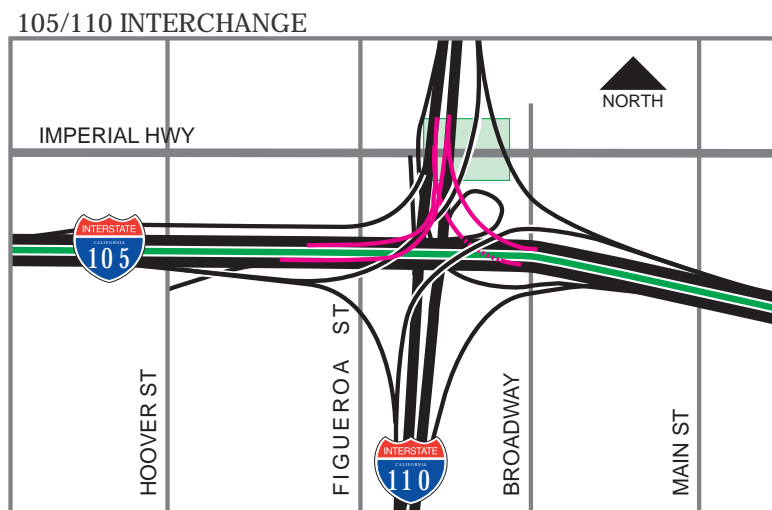
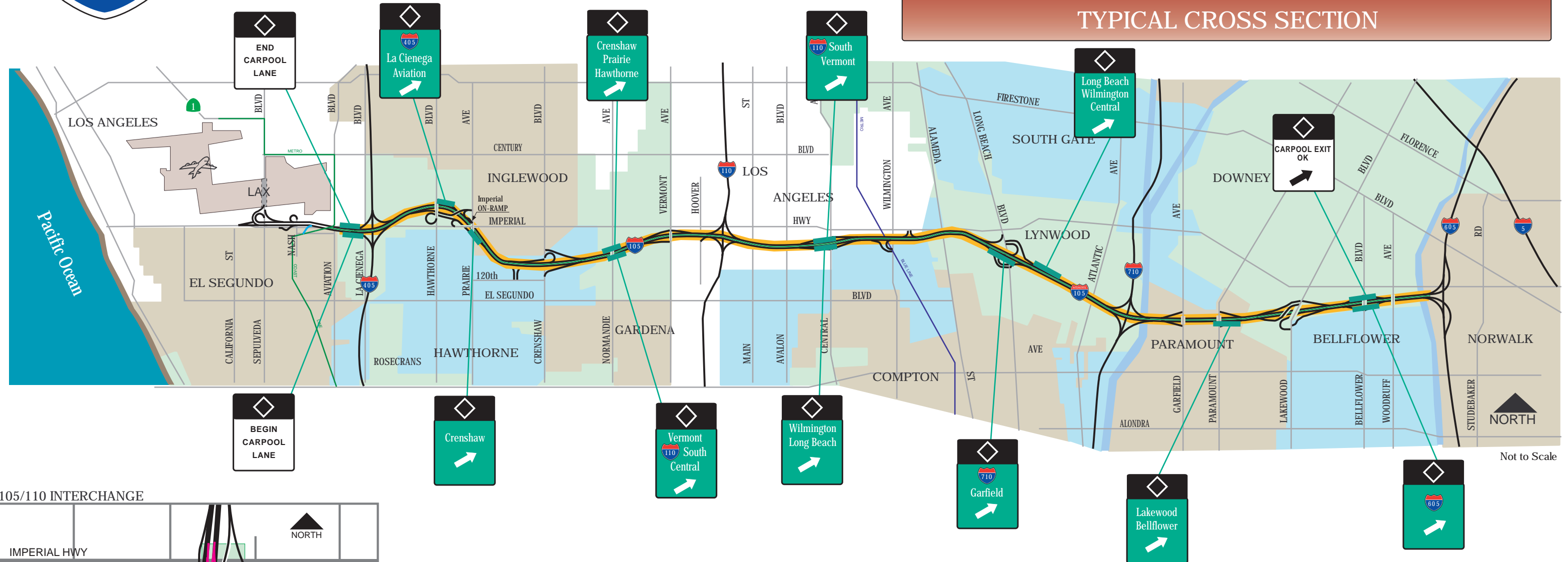
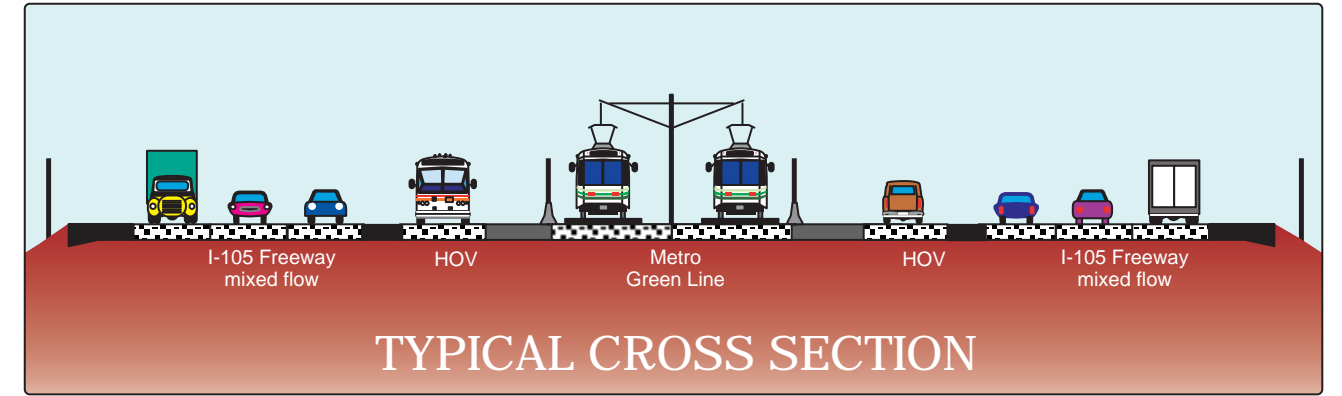
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



GLENN ANDERSON (CENTURY) FREEWAY HOV LANE

San Diego Freeway (Rte 405) to San Gabriel River Freeway (Rte 605)



- Freeway to Freeway HOV Connectors
- Metro Green Line (Open by June '95)
- Transit Station (Open by June '95)

CARPOOL VIOLATION
\$341
MINIMUM FINE

NO SCALE



FACT SHEET

ROUTE 110 HARBOR FREEWAY

Project Limits & Length:	FROM ADAMS BLVD TO ROUTE 91; 10.7 MILES
Date of Opening:	JUNE 26, 1996
Cost:	\$ 344.0 MILLION
Current Peak Hr Volume:	3163 VEHICLES ON 2 HOV LANES @ SLAUSON AVE
Park & Ride Facilities: (Lot No./Lot Name)	96/San Pedro II; Lot No./San Pedro; 120/Harbor Park; Lot No./Carson; Lot No./Artesia; 34/Baptist Church; Lot No./Rosecrans; Lot No./Manchester; Lot No./Slauson
Number of Ingress/Egress:	3 IN EACH DIRECTION

Unique Features:

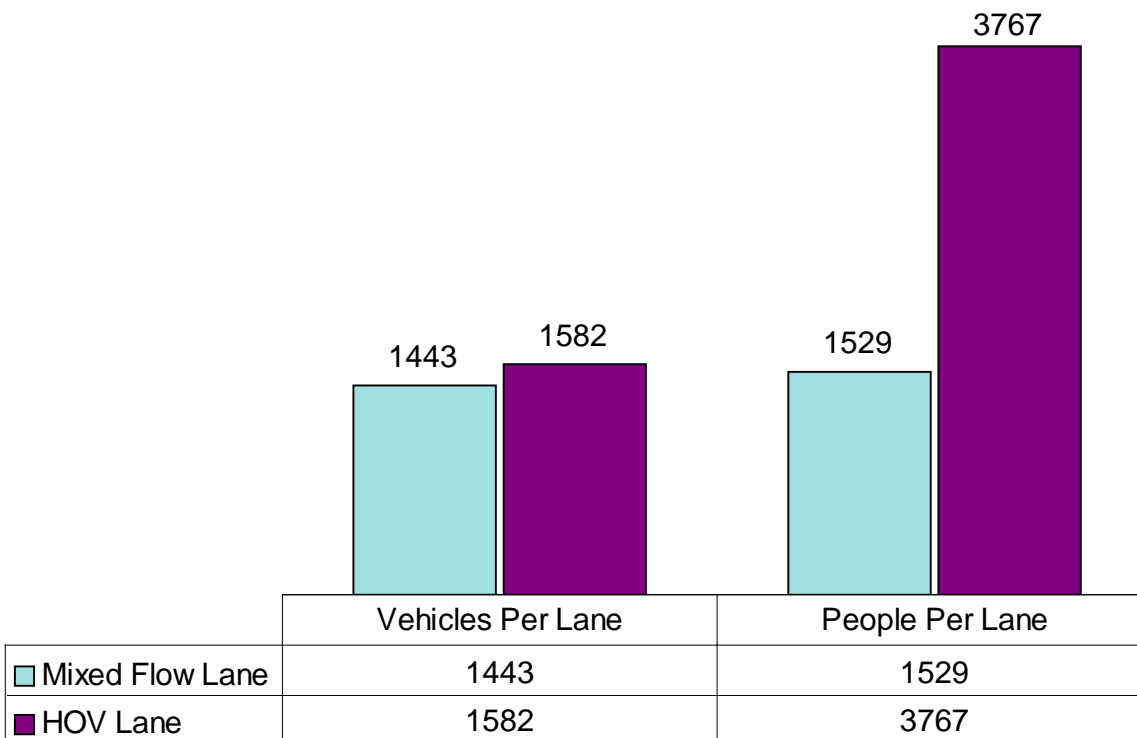
- ◆ 10.3 miles of exclusive transitway with 2.6 miles of elevated structures that are 67-ft wide.
- ◆ North of Route 105, the 110 Transitway has two HOV lanes in each direction.
- ◆ Direct HOV drop ramps at Adams Boulevard and 39th Street.

CALTRANS - DISTRICT 7
HOV Operation on Route 110

Co. Rte. Dir.	LA - 110 - NB		LA - 110 - SB	
Location	SLAUSON		SLAUSON	
Post Mile	17.98		17.98	
Date	11/02/06		11/01/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	7:00 - 8:00	6:30 - 8:30	16:30 - 17:30	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	3054	5853	2528	4729
Vanpools	33	76	40	79
Buses	30	79	39	53
Motorcycles	46	101	32	78
HOV lane Violators	12	20	16	35
Total Vehicles in 2 HOV Lanes	3175	6129	2655	4974
Carpools Using Mainline	295	500	710	222
Hybrid Vehicles in 2 HOV Lanes	236	430	155	266
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	6528		5461	
People in Buses	960		886	
People on Motorcycles	46		32	
Violators	12		16	
Total People in 2 HOV Lanes	7546		6395	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5770		7290	
Mixed-Flow People	6115		8160	
Mixed-Flow People/Lane	1529		2040	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	6115		8160	
Total HOV People	7546		6395	
Total Freeway People	13661		14555	
Percent Carried in HOV Lane	55.24%		43.94%	
Percent Carried per Mixed-Flow Lane	11.19%		14.02%	
Occupancy (Peak Hour)				
HOV Occupancy	2.38		2.41	
Mainline Occupancy	1.06		1.12	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	4.94		3.13	

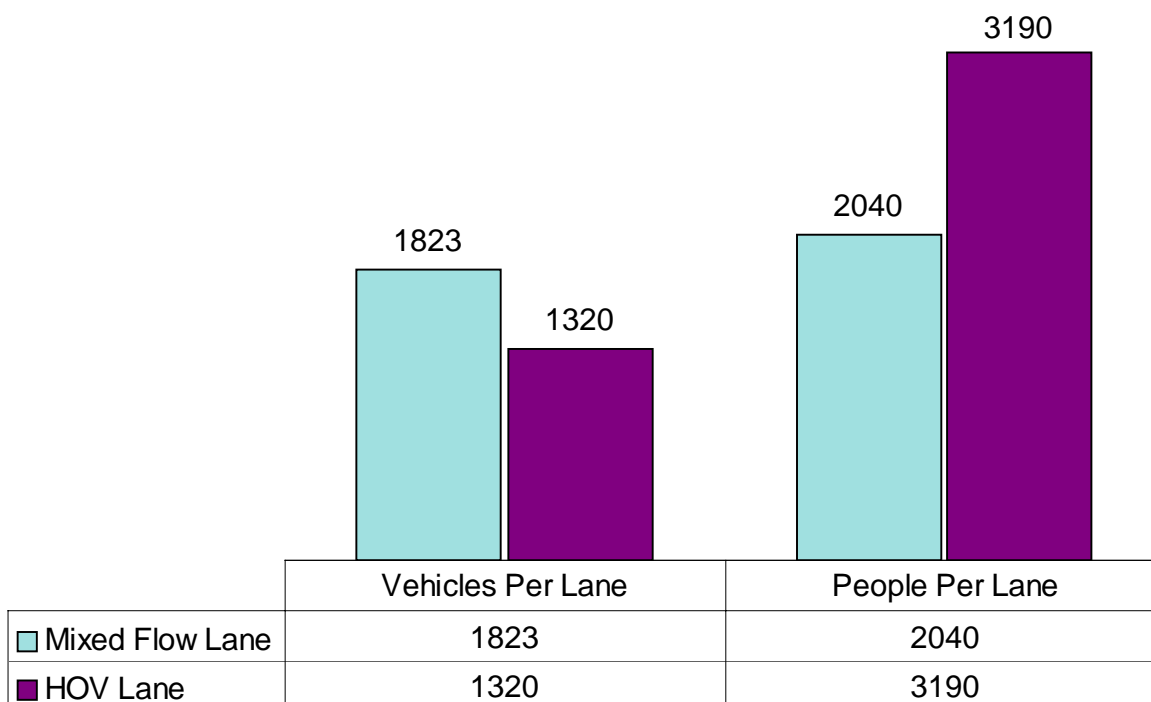
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-110-N/B @ Slauson Ave

Date/Time: 11-02-06 / 7:00-8:00 AM



Location: LA-110-S/B @ Slauson Ave

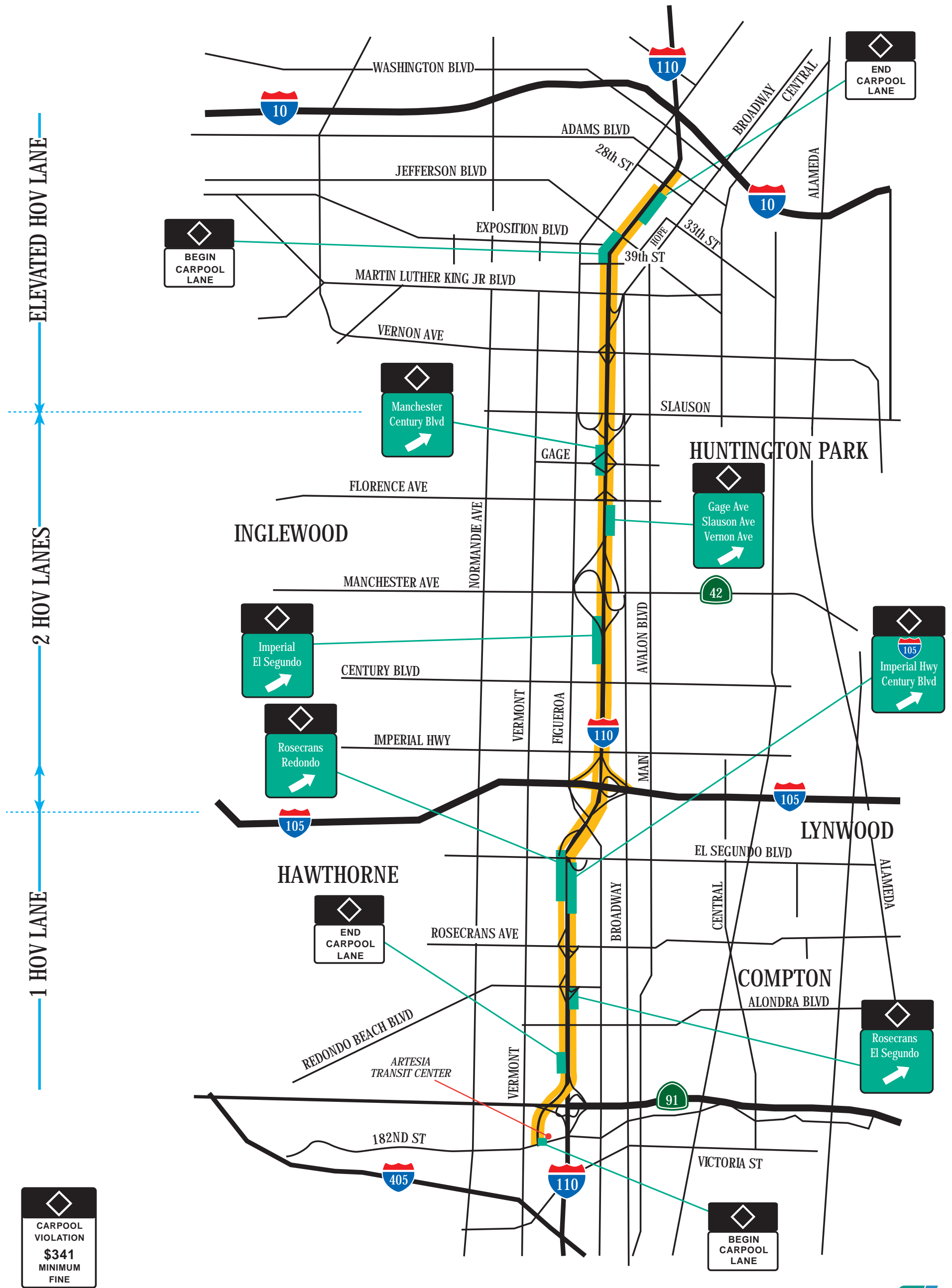
Date/Time: 11-01-06 / 4:30-5:30 PM

Two (2) HOV lanes at this location. Data shown represents volume on one (1) HOV lane

(This page intentionally left blank)



Harbor Freeway HOV Lane Adams Blvd to Artesia Freeway (Rte 91)





FACT SHEET

ROUTE 118 RONALD REAGAN FREEWAY

Project Limits & Length:	FROM VENTURA CO. LINE TO RTE 5; 11.4 MILES
Date of Opening:	MARCH 7, 1997
Cost:	\$23.2 MILLION
Current Peak Hr Volume:	1389 VEHICLES @ RESEDA BLVD
Park & Ride Facilities: (Lot No./Lot Name)	Lot No./Chatsworth; 41/GH Masonic Temple; 40/Lutheran Church; Lot No./Winnetka
Number of Ingress/Egress:	4 EASTBOUND & 5 WESTBOUND

Unique Features:

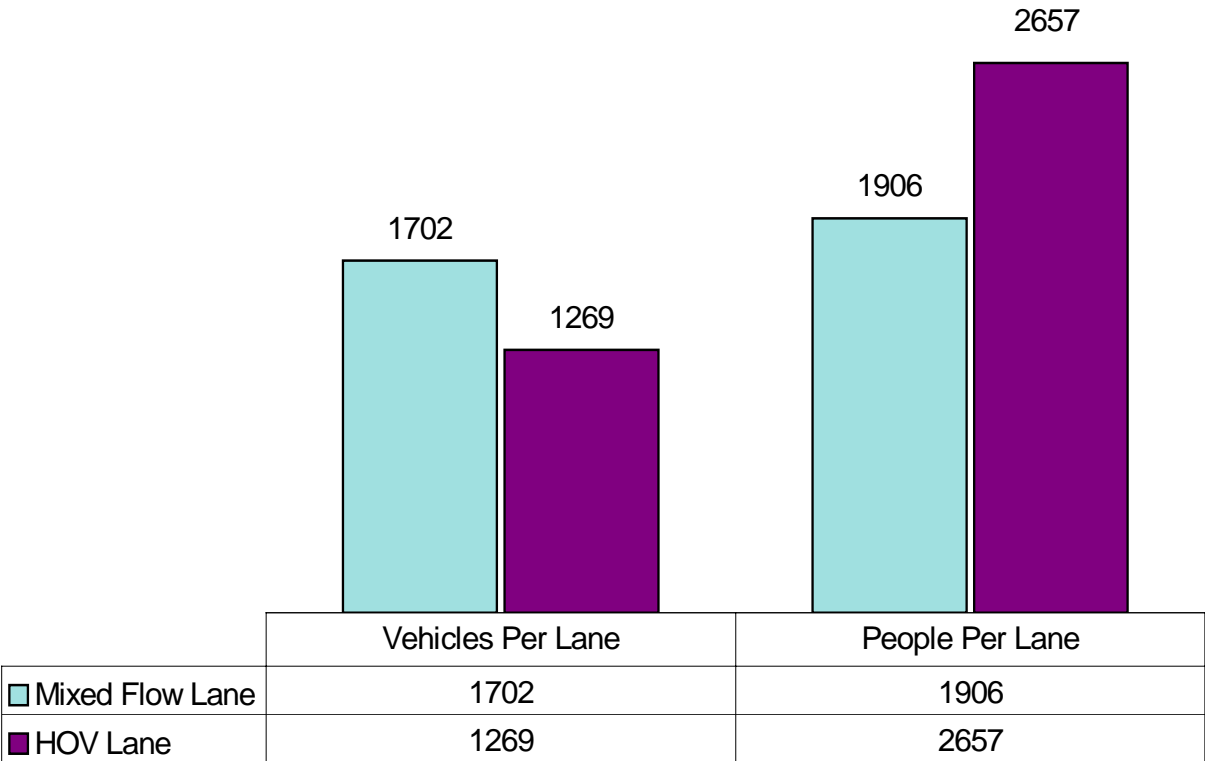
The construction of this HOV facility included the addition of a mixed-flow lane.

CALTRANS - DISTRICT 7
HOV Operation on Route 118

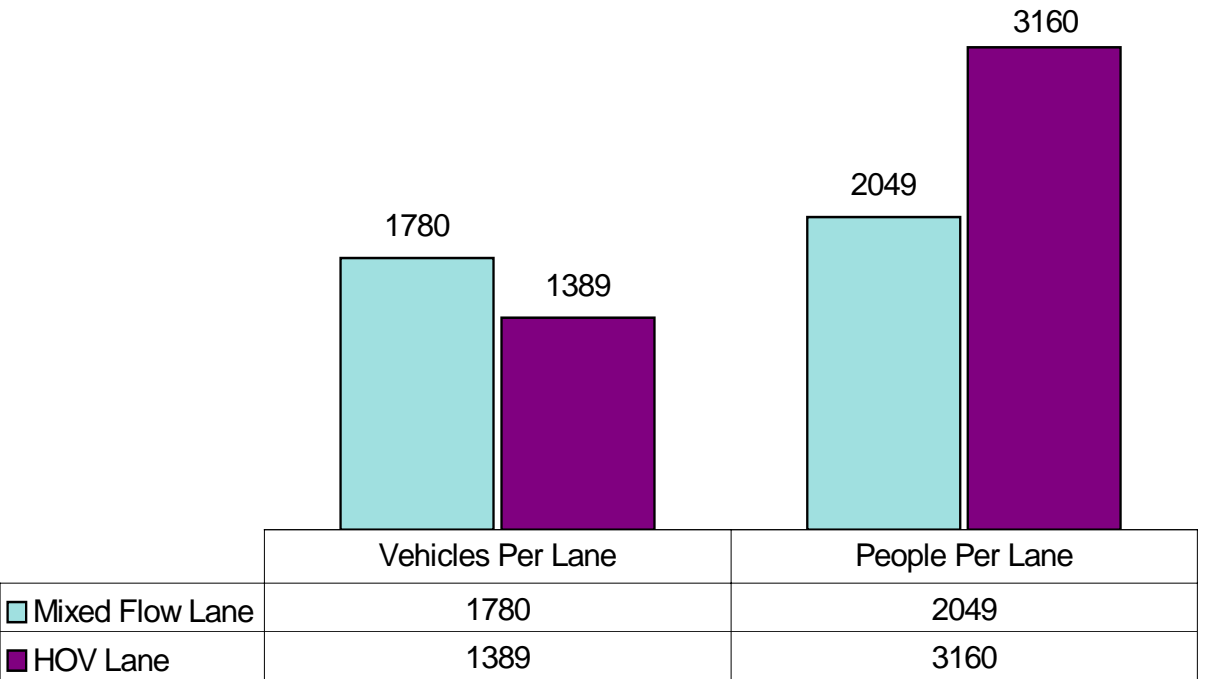
Co. Rte. Dir.	LA - 118 - WB		LA - 118 - EB	
Location	RESEDA		RESEDA	
Post Mile	5.81		5.81	
Date	12/06/06		12/05/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:45 - 7:45	6:30 - 8:30	16:15 - 17:15	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1229	2201	1343	2487
Vanpools	18	24	24	39
Buses	1	4	4	7
Motorcycles	21	40	18	40
HOV lane Violators	1	1	25	50
Total Vehicles in HOV Lane	1270	2270	1414	2623
Carpools Using Mainline	840	1494	925	187
Hybrid Vehicles in HOV Lane	31	55	38	55
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2616		3002	
People in Buses	20		140	
People on Motorcycles	21		18	
Violators	1		25	
Total HOV People	2658		3185	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	5		4	
Mixed-Flow Vehicles	8508		7120	
Mixed-Flow People	9528		8195	
Mixed-Flow People/Lane	1906		2049	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	9528		8195	
Total HOV People	2658		3185	
Total Freeway People	12186		11380	
Percent Carried in HOV Lane	21.81%		27.99%	
Percent Carried per Mixed-Flow Lane	15.64%		18.00%	
Occupancy (Peak Hour)				
HOV Occupancy	2.09		2.25	
Mainline Occupancy	1.12		1.15	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.39		1.55	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-118-W/B @ Reseda Blvd
Date/Time: 12-06-06 / 6:45-7:45 AM



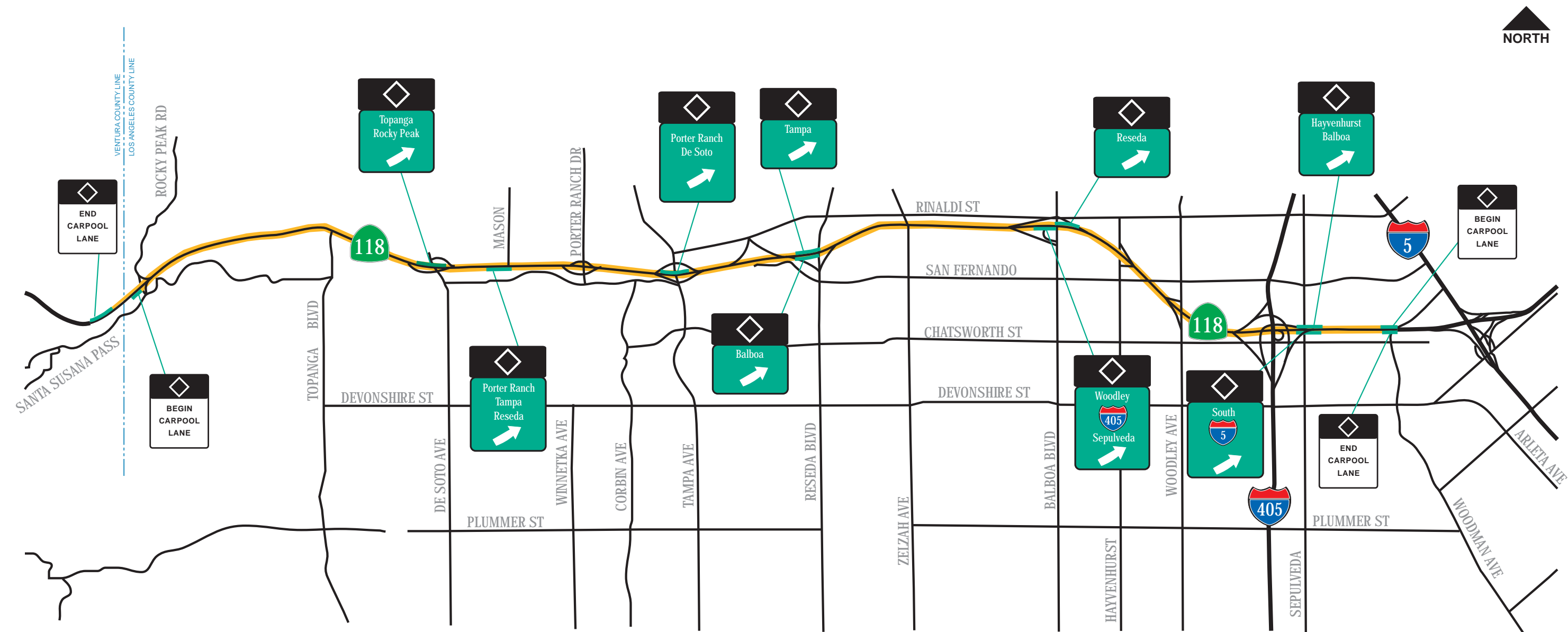
Location: LA-118-E/B @ Reseda Blvd
Date/Time: 12-05-06 / 4:15-5:15 PM
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



RONALD REAGAN FREEWAY HOV LANE

Ventura County Line to Golden State Freeway (Rte 5)



CARPOOLS ONLY
2 OR MORE PERSONS
PER VEHICLE

**CARPOOL
VIOLATION**
\$341
MINIMUM
FINE



FACT SHEET

ROUTE 134 VENTURA FREEWAY

Project Limits & Length:	FROM ROUTE 101/170 TO ROUTE 5	5.1 MILES
	FROM ROUTE 5 TO ROUTE 2	4.1 MILES
	FROM ROUTE 2 TO ROUTE 210	3.6 MILES
Date of Opening:	ROUTE 101/170 TO ROUTE 5	OCTOBER 2, 1995
	ROUTE 5 TO ROUTE 2	MARCH 12, 1996
	ROUTE 2 TO ROUTE 210	AUGUST 30, 1996
Cost:	ROUTE 101/170 TO ROUTE 5	\$6.6 MILLION
	ROUTE 5 TO ROUTE 2	\$5.0 MILLION
	ROUTE 2 TO ROUTE 210	\$7.8 MILLION
Current Peak Hr Volume:	943 VEHICLES @ JACKSON ST	
Park & Ride Facilities: (Lot No./Lot Name)	Lot No./Glendale	
Number of Ingress/Egress:	ROUTE 101/170 TO ROUTE 5	2 IN EACH DIRECTION
	ROUTE 5 TO ROUTE 210	4 IN EACH DIRECTION

Unique Features:

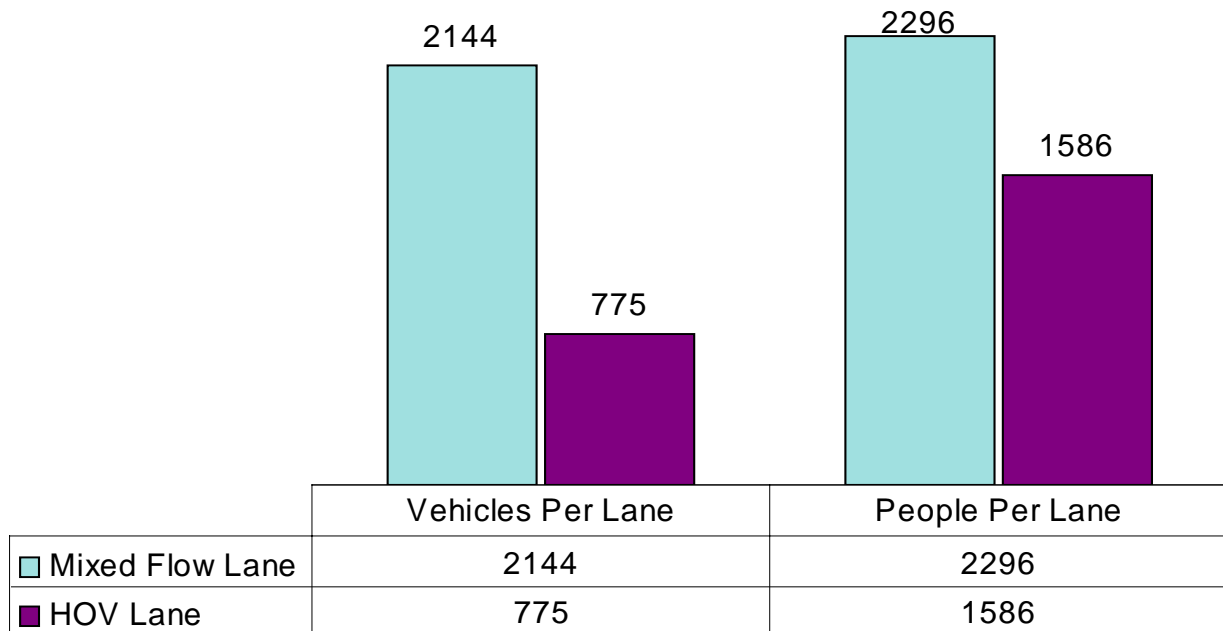
HOV discontinuity at Route 5 due to connectors of Route 5 to Route 134.

CALTRANS - DISTRICT 7
HOV Operation on Route 134

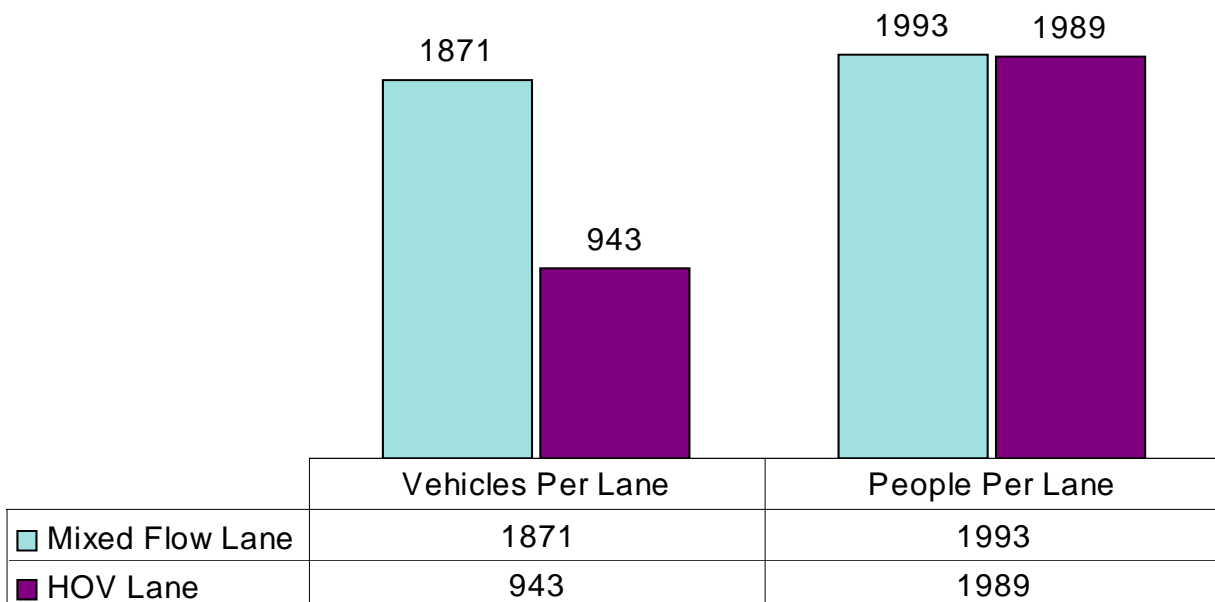
Co. Rte. Dir.	LA - 134 - WB		LA - 134 - EB	
Location	JACKSON		JACKSON	
Post Mile	7.41		7.41	
Date	10/24/06		10/25/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	7:15 - 8:15	6:30 - 8:30	16:15 - 17:15	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	739	1363	898	1765
Vanpools	10	19	16	22
Buses	0	0	2	2
Motorcycles	26	43	27	56
HOV lane Violators	1	1	0	0
Total Vehicles in HOV Lane	776	1426	943	1845
Carpools Using Mainline	575	1040	420	168
Hybrid Vehicles	61	116	55	91
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	1560		1921	
People in Buses	0		41	
People on Motorcycles	26		27	
Violators	1		0	
Total HOV People	1587		1989	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	8575		7485	
Mixed-Flow People	9185		7970	
Mixed-Flow People/Lane	2296		1993	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	9185		7970	
Total HOV People	1587		1989	
Total Freeway People	10772		9959	
Percent Carried in HOV Lane	14.73%		19.97%	
Percent Carried per Mixed-Flow Lane	21.32%		20.01%	
Occupancy (Peak Hour)				
HOV Occupancy	2.05		2.11	
Mainline Occupancy	1.07		1.06	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	0.69		1.00	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-134-W/B @ Jackson St.
Date/Time: 10-24-06 / 7:15-8:15 AM



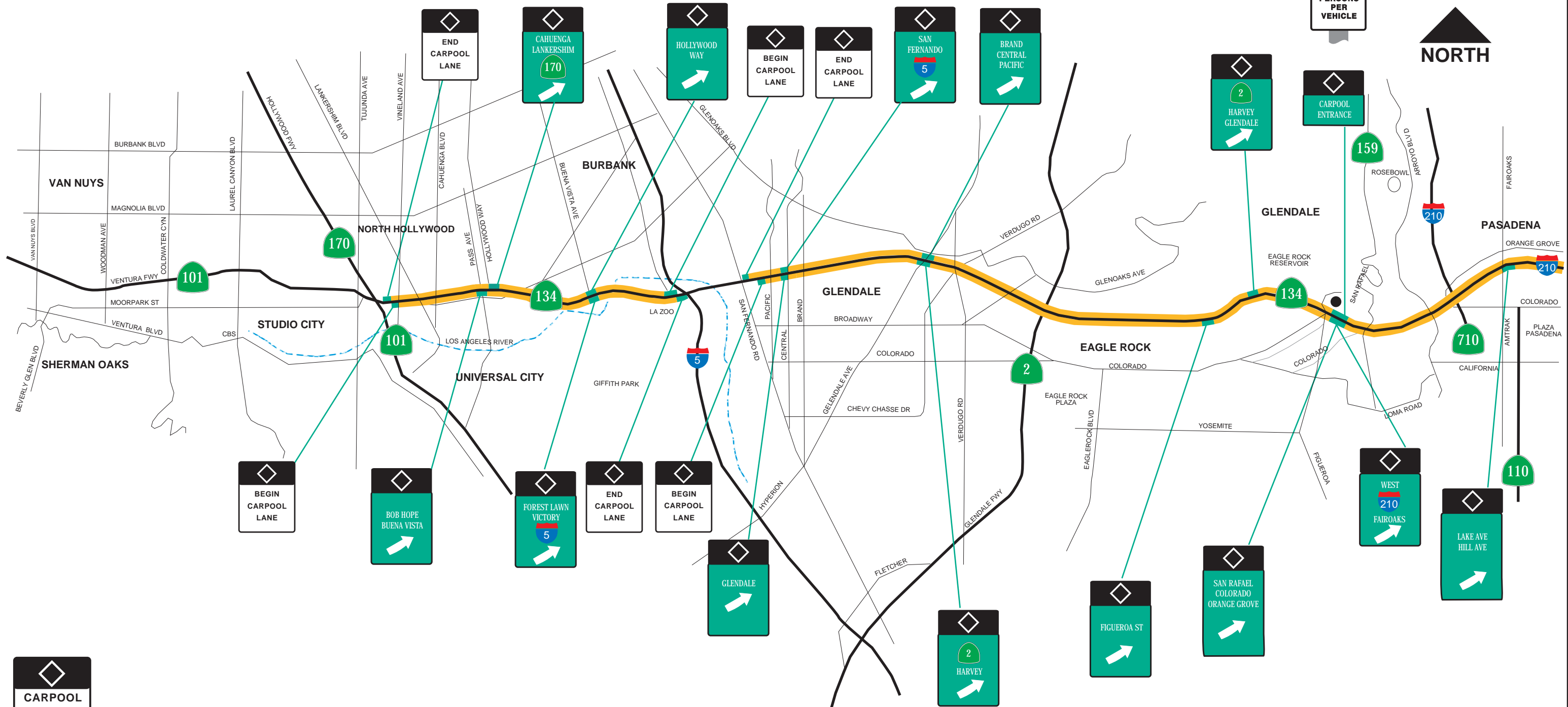
Location: LA-134-E/B @ Jackson St.
Date/Time: 10-25-06 / 4:15-5:15 PM
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)

134

VENTURA FREEWAY HOV LANE

Ventura Freeway (Rte 101) to Foothill Freeway (Rte 210)



CARPOOL VIOLATION
\$341
MINIMUM FINE

California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235

NO SCALE





FACT SHEET

ROUTE 170 HOLLYWOOD FREEWAY EXTENSION

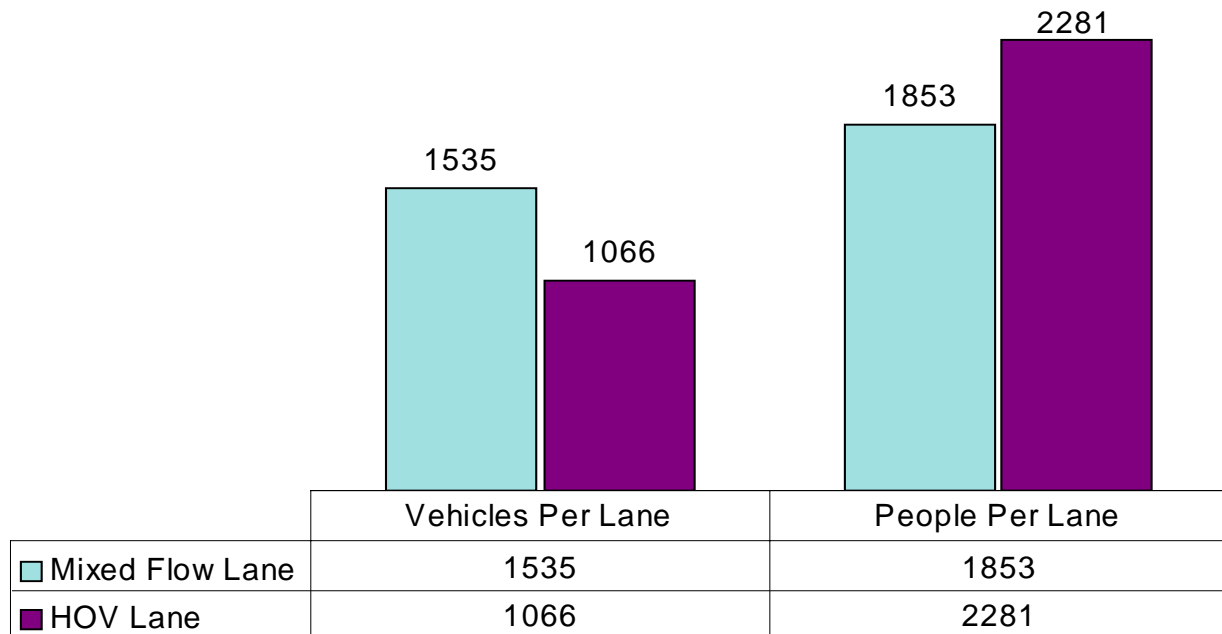
Project Limits & Length:	FROM ROUTE 101/134 TO ROUTE 5; 6.1 MILES
Date of Opening:	FEBUARY 11, 1996
Cost:	\$7.3 MILLION
Current Peak Hr Volume:	1066 VEHICLES @ SHERMAN WAY
Park & Ride Facilities: (Lot No./Lot Name)	72/Rte 170 and Oxnard
Number of Ingress/Egress:	2 IN EACH DIRECTION

CALTRANS - DISTRICT 7
HOV Operation on Route 170

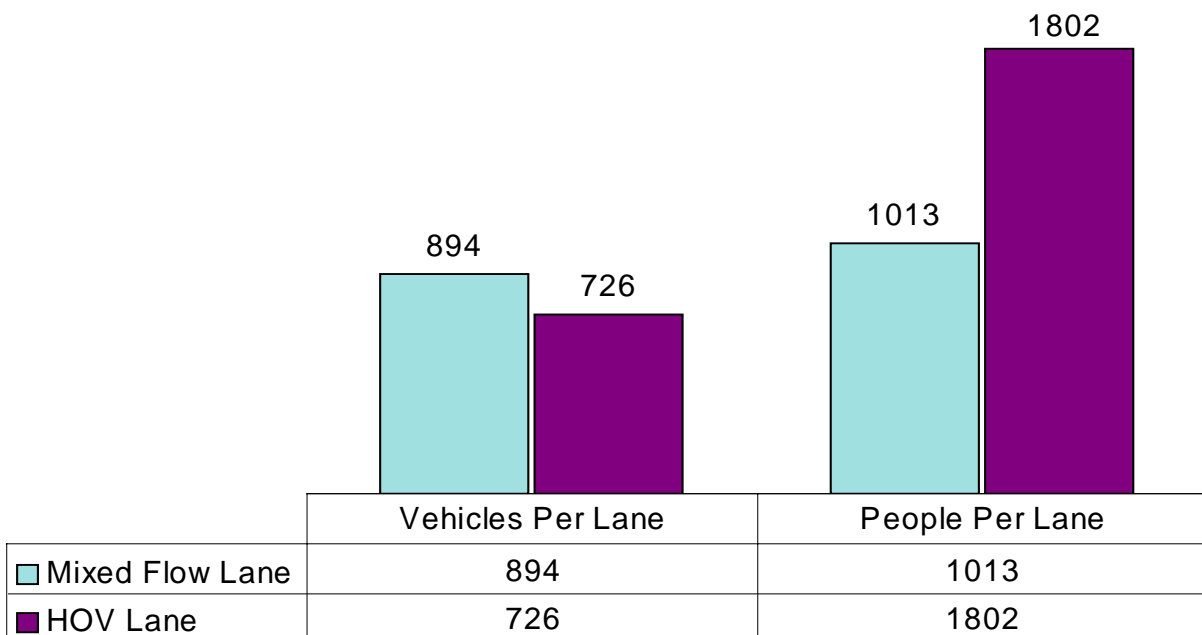
Co. Rte. Dir.	LA - 170 - SB		LA - 170 - NB	
Location	SHERMAN WAY		SHERMAN WAY	
Post Mile	18.27		18.27	
Date	12/05/06		12/07/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	7:00 - 8:00	6:30 - 8:30	16:30 - 17:30	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1032	1842	677	1311
Vanpools	12	25	19	27
Buses	1	12	5	6
Motorcycles	21	39	25	35
HOV lane Violators	36	63	0	1
Total Vehicles in HOV Lane	1102	1981	726	1380
Carpools Using Mainline	1160	1965	385	132
Hybrid Vehicles in HOV Lane	41	74	45	71
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2259		1617	
People in Buses	1		160	
People on Motorcycles	21		25	
Violators	36		0	
Total HOV People	2317		1802	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	6140		3575	
Mixed-Flow People	7410		4050	
Mixed-Flow People/Lane	1853		1013	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	7410		4050	
Total HOV People	2317		1802	
Total Freeway People	9727		5852	
Percent Carried in HOV Lane	23.82%		30.79%	
Percent Carried per Mixed-Flow Lane	19.04%		17.30%	
Occupancy (Peak Hour)				
HOV Occupancy	2.10		2.48	
Mainline Occupancy	1.21		1.13	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.25		1.78	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-170-S/B @ Sherman Way
 Date/Time: 12-05-06 / 7:00-8:00 AM



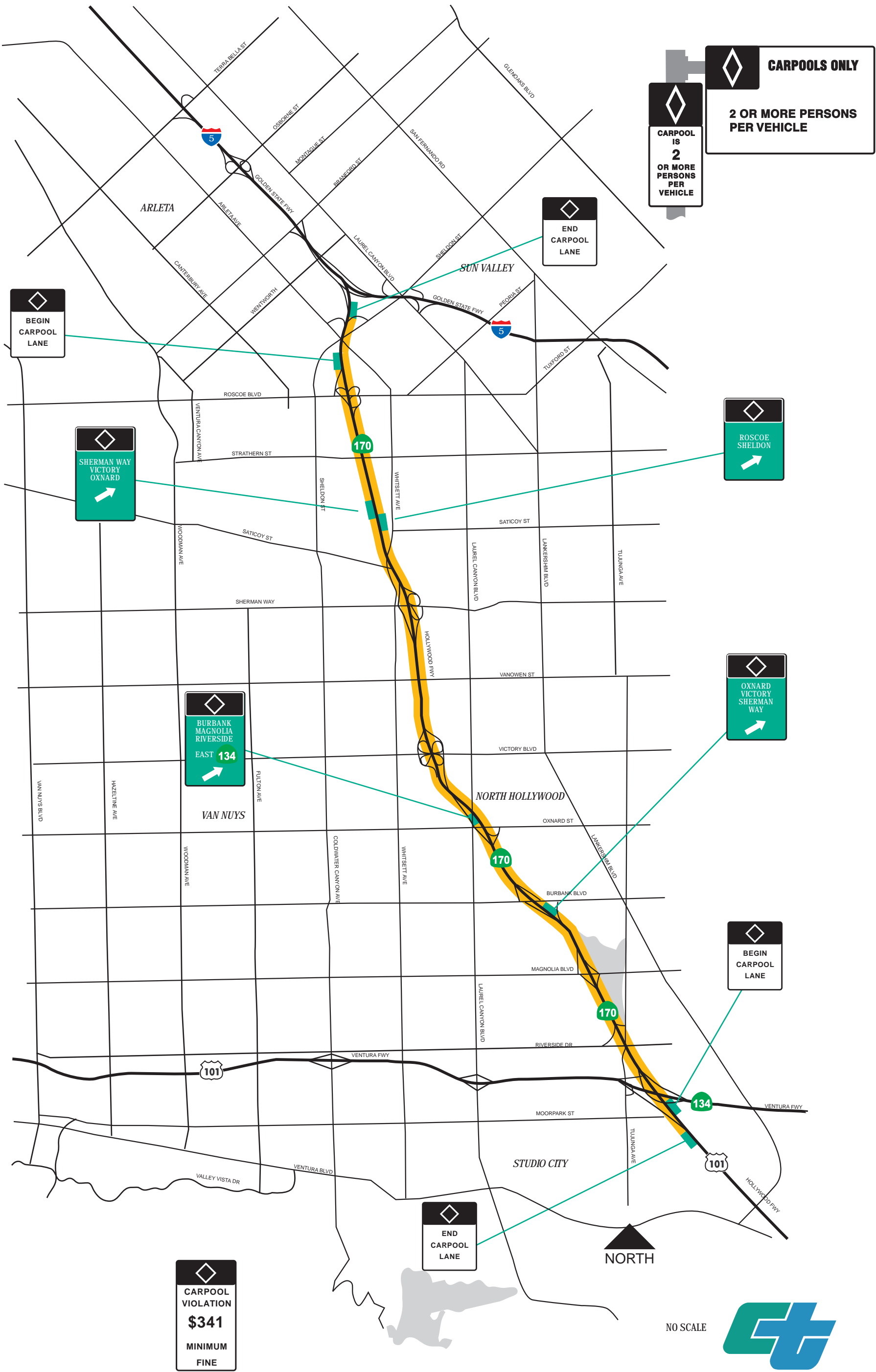
Location: LA-170-N/B @ Sherman Way
 Date/Time: 12-07-06 / 4:30-5:30 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



HOLLYWOOD FREEWAY HOV LANE

Golden State Freeway (Rte 5) to Ventura Freeway (Rte 134)





FACT SHEET

ROUTE 210 FOOTHILL FREEWAY

PROJECT LIMITS & LENGTH:	FROM ROUTE 134 TO SUNFLOWER AVE	18.8 MILES
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	2.7 MILES
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	5.8 MILES
Date of Opening:	FROM ROUTE 134 TO SUNFLOWER AVE	DEC 16, 1993
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	SEP 08, 1997
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	NOV 24, 2002
Cost:	FROM ROUTE 134 TO SUNFLOWER AVE	\$8.9 MILLION
	FROM SUNFLOWER AVE TO FOOTHILL BLVD	\$7.0 MILLION
	FROM FOOTHILL BLVD TO SBD COUNTY LINE	\$91.0 MILLION
Current Peak Hr Volume:	1520 VEHICLES @ SECOND ST	
Park & Ride Facilities: (Lot No./Lot Name)	75/Paxton; 35/Lowell; 84/Sierra Madre Blvd; 3/E.A. of God Church; 37/Citrus College; 39/Grand Ave; 38/Lone Hill; 92/Via Verde at Rte 210	
Number of Ingress/Egress:	FROM SBD CO. LINE TO ROUTE 134	15 E/B, 13 W/B

Unique Features:

The HOV drop ramp at Fair Oaks Avenue was opened on May 30, 1996.

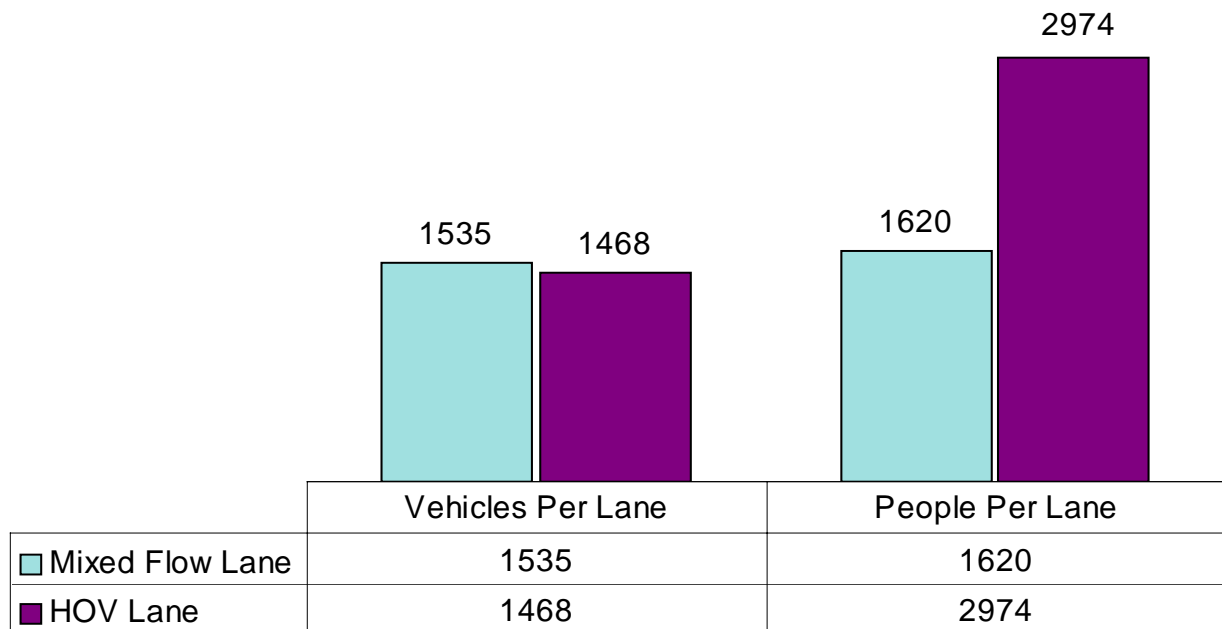
Completion and opening of 14 miles of the new Foothill Freeway (SR-210) between Foothill Boulevard (County of Los Angeles) and Day Creek Boulevard (County of San Bernardino) to connect with six-mile section of the freeway that opened in August 2001 from Day Creek Boulevard to Sierra Avenue. The new freeway segment provides additional freeway capacity and an alternate east/west route for commuters. The project constructed eight lanes of freeway (three mixed-flow lanes and one High Occupancy Vehicle (HOV) lane in each direction) with space for future widening in the median. This new freeway segment connects with I-15, the direct route to Las Vegas.

CALTRANS - DISTRICT 7
HOV Operation on Route 210

Co. Rte. Dir.	LA - 210 - WB		LA - 210 - EB	
Location	2ND ST		2ND ST	
Post Mile	39.12		39.12	
Date	10/25/06		10/26/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	7:30 - 8:30	6:30 - 8:30	15:45 - 16:45	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1407	2735	1463	2894
Vanpools	6	17	19	34
Buses	2	5	1	3
Motorcycles	53	117	37	85
HOV lane Violators	6	12	5	8
Total Vehicles in HOV Lane	1474	2886	1525	3024
Carpools Using Mainline	280	575	540	171
Hybrid Vehicles in HOV Lane	140	211	62	134
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2919		3155	
People in Buses	2		20	
People on Motorcycles	53		37	
Violators	6		5	
Total HOV People	2980		3217	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	6140		5280	
Mixed-Flow People	6480		6005	
Mixed-Flow People/Lane	1620		1501	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	6480		6005	
Total HOV People	2980		3217	
Total Freeway People	9460		9222	
Percent Carried in HOV Lane	31.50%		34.88%	
Percent Carried per Mixed-Flow Lane	17.12%		16.28%	
Occupancy (Peak Hour)				
HOV Occupancy	2.02		2.11	
Mainline Occupancy	1.06		1.14	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.84		2.14	

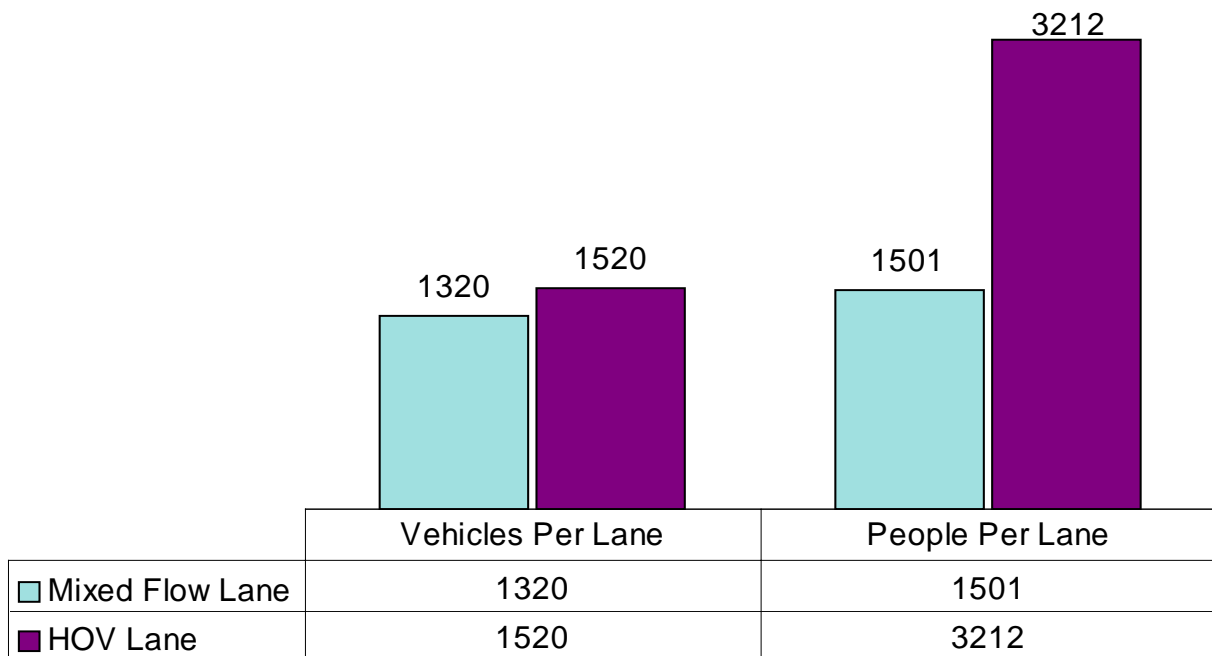
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-210-W/B @ Second St.

Date/Time: 10-25-06 / 7:30-8:30 AM



Location: LA-210-E/B @ Second St.

Date/Time: 10-26-06 / 3:45-4:45 PM

Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



FOOTHILL FREEWAY HOV LANE

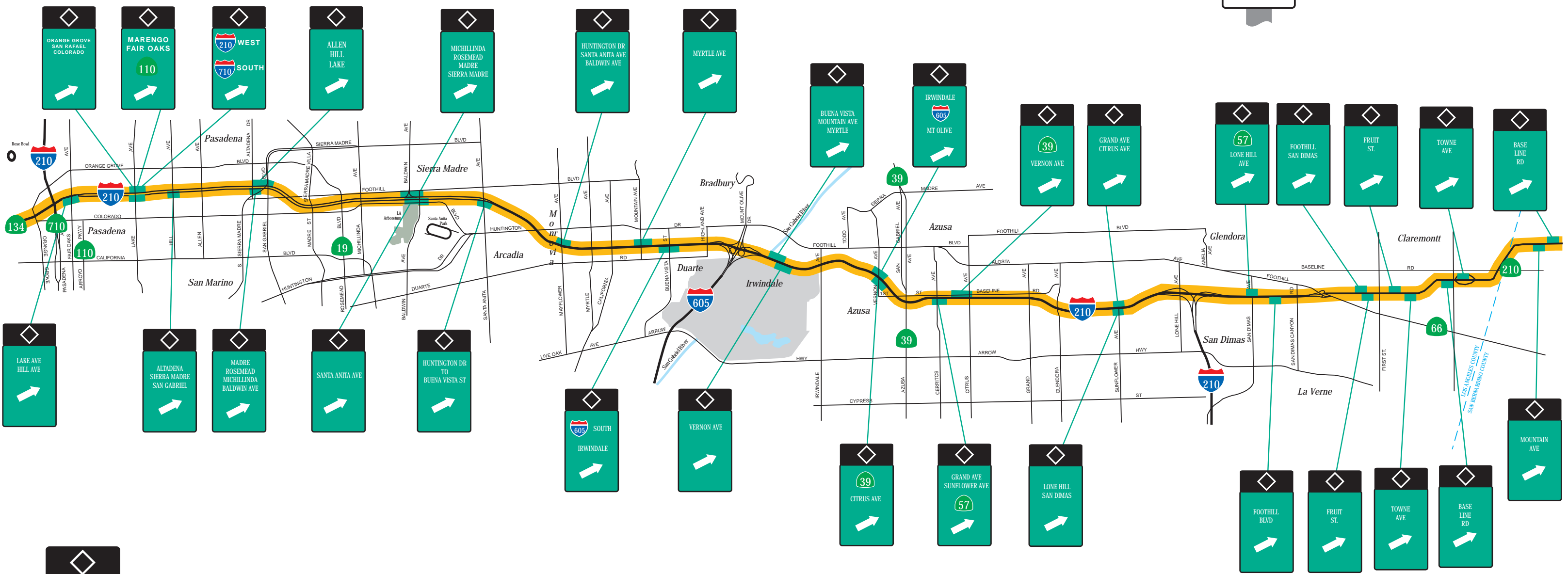
Ventura Freeway (Rte 134) to San Bernardino County Line

CARPOOLS ONLY

2 OR MORE PERSONS PER VEHICLE

CARPOOL IS 2 OR MORE PERSONS PER VEHICLE

NORTH



CARPOOL VIOLATION
\$341
MINIMUM FINE

California Department of Transportation · District 7, Los Angeles and Ventura Counties · 100 S. Main St., Los Angeles, CA 90012
Rideshare Information (800) COMMUTE · Bike Lockers (213) 897-0235

NO SCALE



210 HOVegresing(NEW) 8/21/07



FACT SHEET

ROUTE 405 SAN DIEGO FREEWAY

Project Limits & Length:	FROM ROUTE 110 TO 120 TH STREET	7.7 MILES
	FROM BELLFLOWER BLVD TO ROUTE 605	2.2 MILES
	FROM 120 TH STREET TO CENTURY BLVD	2.0 MILES
	FROM ROUTE 101 TO ROUTE 5	10.0 MILES
	FROM ORA CO LINE TO ROUTE 710	7.7 MILES
	FROM ROUTE 710 TO ROUTE 110	6.1 MILES
	FROM WATERFORD TO RTE 101 (S/B ONLY)	7.8 MILES
	FROM CENTURY BLVD TO ROUTE 90	5.1 MILES
	FROM BURBANK BL TO VENTURA BL (N/B ONLY)	5.1 MILES
	FROM WATERFORD TO SANTA MONICA (S/B ONLY)	1.2 MILES
Date of Opening:	FROM ROUTE 110 TO 120 TH STREET	APR 08, 1993
	FROM BELLFLOWER BLVD TO ROUTE 605	OCT 02, 1993
	FROM 120 TH STREET TO CENTURY BLVD	JAN 1994
	FROM ROUTE 101 TO ROUTE 5	OCT 22, 1996
	FROM ORA CO LINE TO ROUTE 710	FEB 12, 1998
	FROM ROUTE 710 TO ROUTE 110	OCT 08, 1998
	FROM WATERFORD TO RTE 101 (S/B ONLY)	JAN 08, 2002
	FROM CENTURY BLVD TO ROUTE 90	MAY 23, 2006
	FROM BURBANK BL TO VENTURA BL (N/B ONLY)	OCT 11, 2006
	FROM WATERFORD TO SANTA MONICA (S/B ONLY)	AUG 30, 2007
Cost:	FROM ROUTE 110 TO 120 TH STREET	\$ 8.3 MILLION
	FROM BELLFLOWER BLVD TO ROUTE 605	\$ 4.8 MILLION
	FROM ROUTE 101 TO ROUTE 5	\$15.1 MILLION
	FROM ORA CO LINE TO ROUTE 710	\$29.7 MILLION
	FROM ROUTE 710 TO ROUTE 110	\$28.2 MILLION
	FROM WATERFORD TO RTE 101 (S/B ONLY)	\$17.7 MILLION
	FROM CENTURY BLVD TO ROUTE 90	\$34.3 MILLION
	FROM BURBANK BL TO VENTURA BL (N/B ONLY)	\$ 4.7 MILLION
	FROM WATERFORD TO SANTA MONICA (S/B ONLY)	-----
Current Peak Hr Volume:	1428 VEHICLES @ TEMPLE	
Park & Ride Facilities: (Lot No./Lot Name)	82/St John's Church; Lot No./McDonald Douglas; 12/Carson Mall; 116/Congres. Church; 61/Skirball and Mulholland	
Number of Ingress/Egress:	FROM ROUTE 90 TO ORA CO LINE	13 N/B, 13 S/B
	FROM ROUTE 5 TO ROUTE 101	3 N/B, 5 S/B
	FROM ROUTE 101 TO SANTA MONICA BL (S/B)	-----, 4 S/B

CALTRANS - DISTRICT 7
HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - SB		LA - 405 - NB	
Location	BURBANK		BURBANK	
Post Mile	40.28		40.27	
Date	12/19/06		02/01/07	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:30 - 7:30	6:30 - 8:30	15:45 - 16:45	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1079	1947	1252	2538
Vanpools	16	28	49	76
Buses	8	15	3	3
Motorcycles	26	46	32	60
HOV lane Violators	8	23	3	5
Total Vehicles in HOV Lane	1137	2059	1339	2682
Carpools Using Mainline	630	1125	715	223
Hybrid Vehicles in HOV Lane	48	116	68	115
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2374		2873	
People in Buses	320		12	
People on Motorcycles	26		32	
Violators	8		3	
Total HOV People	2728		2920	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5750		7105	
Mixed-Flow People	6445		7890	
Mixed-Flow People/Lane	1611		1973	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	6445		7890	
Total HOV People	2728		2920	
Total Freeway People	9173		10810	
Percent Carried in HOV Lane	29.74%		27.01%	
Percent Carried per Mixed-Flow Lane	17.57%		18.25%	
Occupancy (Peak Hour)				
HOV Occupancy	2.40		2.18	
Mainline Occupancy	1.12		1.11	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.69		1.48	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

CALTRANS - DISTRICT 7
HOV Operation on Route 405

Co. Rte. Dir.	LA - 405 - NB		LA - 405 - SB	
Location	NORMANDIE		NORMANDIE	
Post Mile	13.81		13.81	
Date	11/29/06		11/28/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:30 - 7:30	6:30 - 8:30	15:45 - 16:45	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1260	2255	1146	2230
Vanpools	54	81	62	122
Buses	6	8	4	9
Motorcycles	32	68	34	67
HOV lane Violators	21	35	20	32
Total Vehicles in HOV Lane	1373	2447	1266	2460
Carpools Using Mainline	145	325	415	117
Hybrid Vehicles in HOV Lane	146	290	94	190
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2946		2755	
People in Buses	180		120	
People on Motorcycles	32		34	
Violators	21		20	
Total HOV People	3179		2929	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5660		5860	
Mixed-Flow People	5865		6375	
Mixed-Flow People/Lane	1466		1594	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	5865		6375	
Total HOV People	3179		2929	
Total Freeway People	9044		9304	
Percent Carried in HOV Lane	35.15%		31.48%	
Percent Carried per Mixed-Flow Lane	16.21%		17.13%	
Occupancy (Peak Hour)				
HOV Occupancy	2.32		2.31	
Mainline Occupancy	1.04		1.09	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	2.17		1.84	

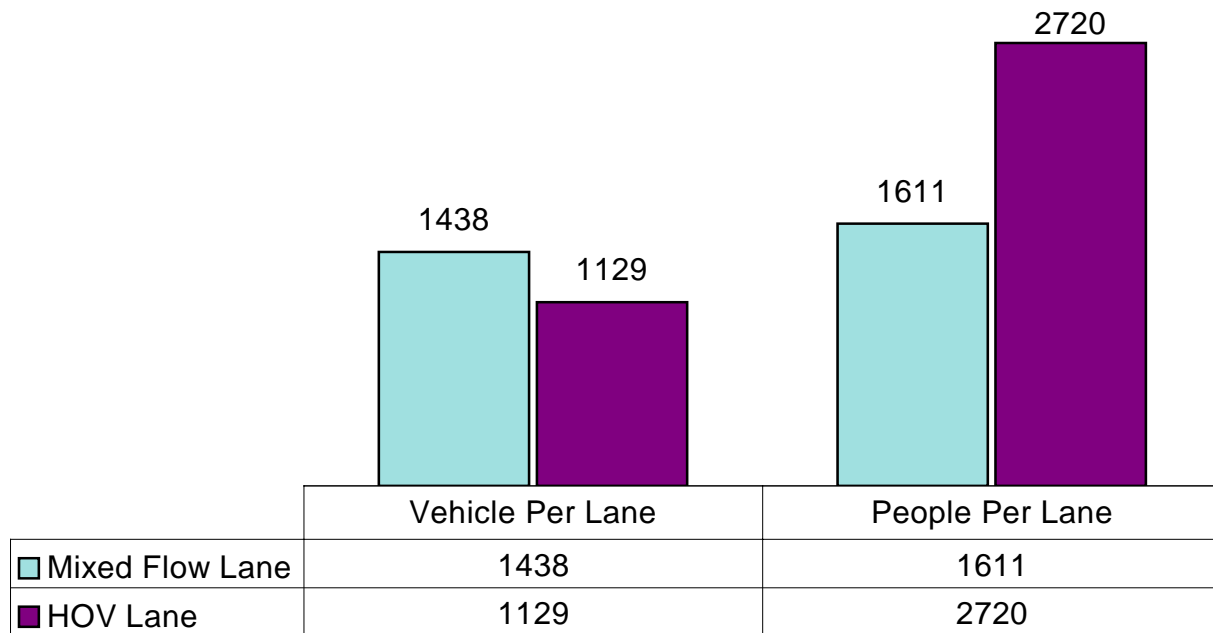
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

CALTRANS - DISTRICT 7
HOV Operation on Route 405

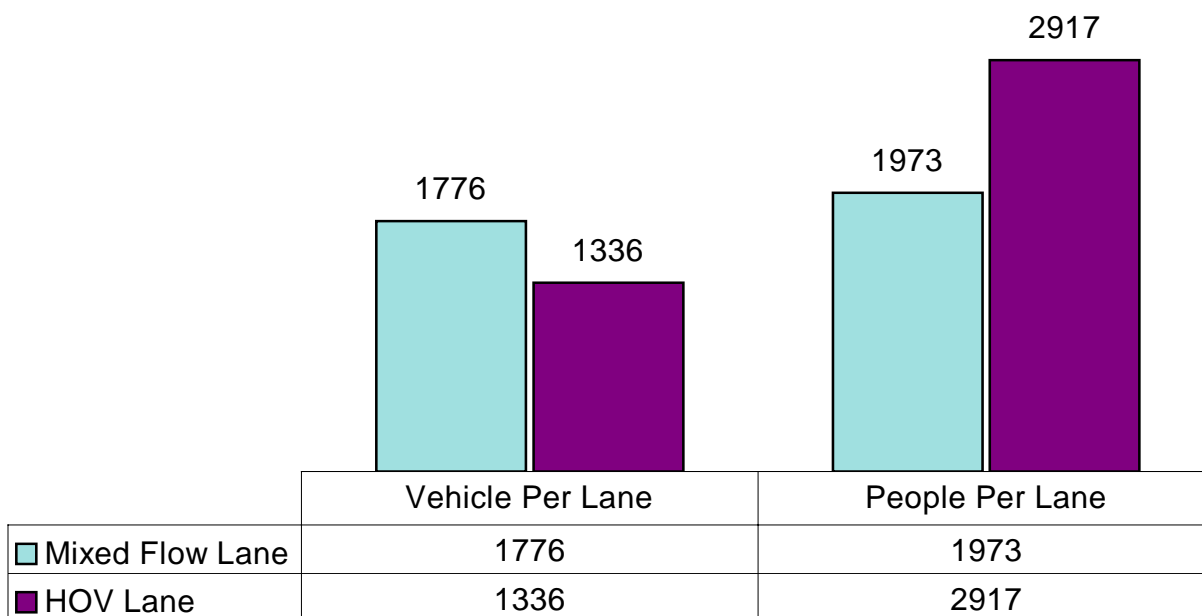
Co. Rte. Dir.	LA - 405 - NB		LA - 405 - SB	
Location	TEMPLE		TEMPLE	
Post Mile	4.33		4.33	
Date	02/14/07		12/19/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	7:30 - 8:30	6:30 - 8:30	16:30 - 17:30	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1156	2214	1333	2685
Vanpools	12	37	56	78
Buses	4	6	0	2
Motorcycles	51	100	39	59
HOV lane Violators	0	0	0	0
Total Vehicles in HOV Lane	1223	2357	1428	2824
Carpools Using Mainline	335	655	864	227
Hybrid Vehicles in HOV Lane	176	584	142	274
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2466		3036	
People in Buses	40		0	
People on Motorcycles	51		39	
Violators	0		0	
Total HOV People	2557		3075	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		5	
Mixed-Flow Vehicles	7265		7734	
Mixed-Flow People	7655		8676	
Mixed-Flow People/Lane	1914		1735	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	7655		8676	
Total HOV People	2557		3075	
Total Freeway People	10212		11751	
Percent Carried in HOV Lane	25.04%		26.17%	
Percent Carried per Mixed-Flow Lane	18.74%		14.77%	
Occupancy (Peak Hour)				
HOV Occupancy	2.09		2.15	
Mainline Occupancy	1.05		1.12	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.34		1.77	

*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON

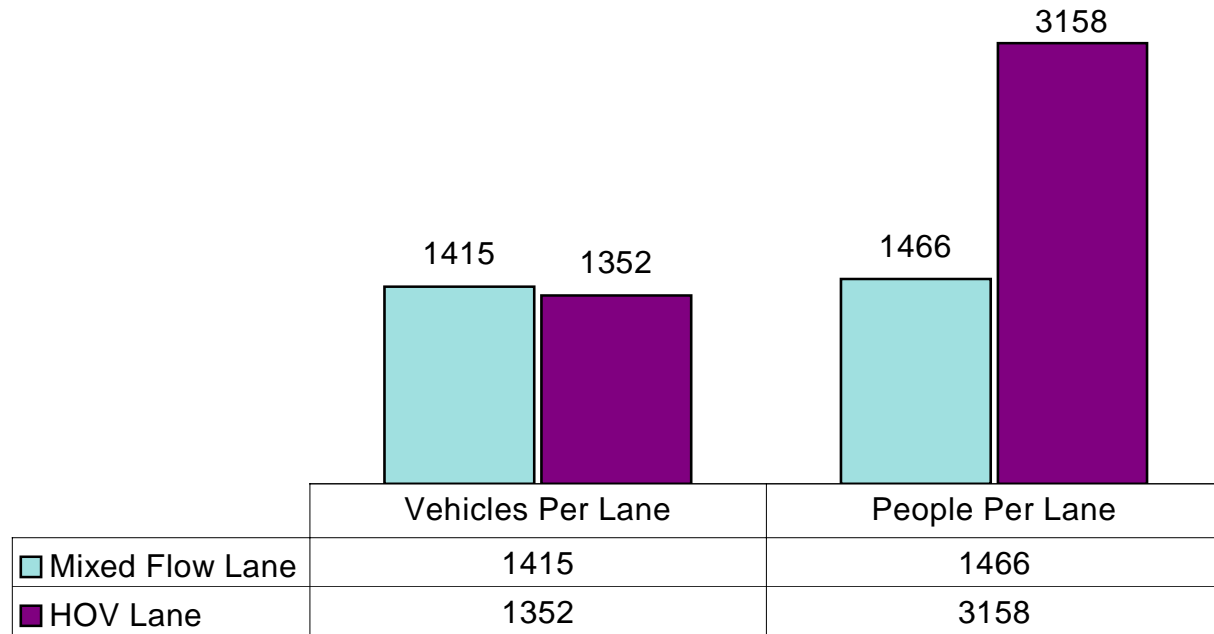


Location: LA-405-S/B @ Burbank Blvd
 Date/Time: 12-19-06 / 6:30-7:30 AM

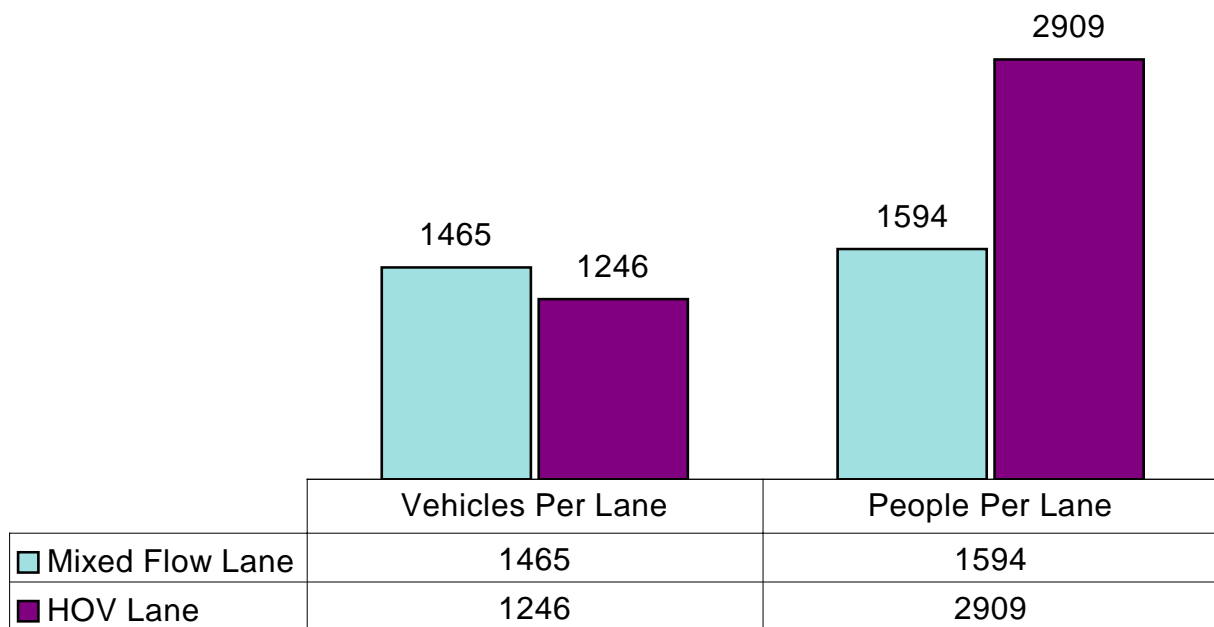


Location: LA-405-N/B @ Burbank Blvd
 Date/Time: 02-01-07 / 3:45-4:45 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

PEAK HOURLY VOLUME COMPARISON

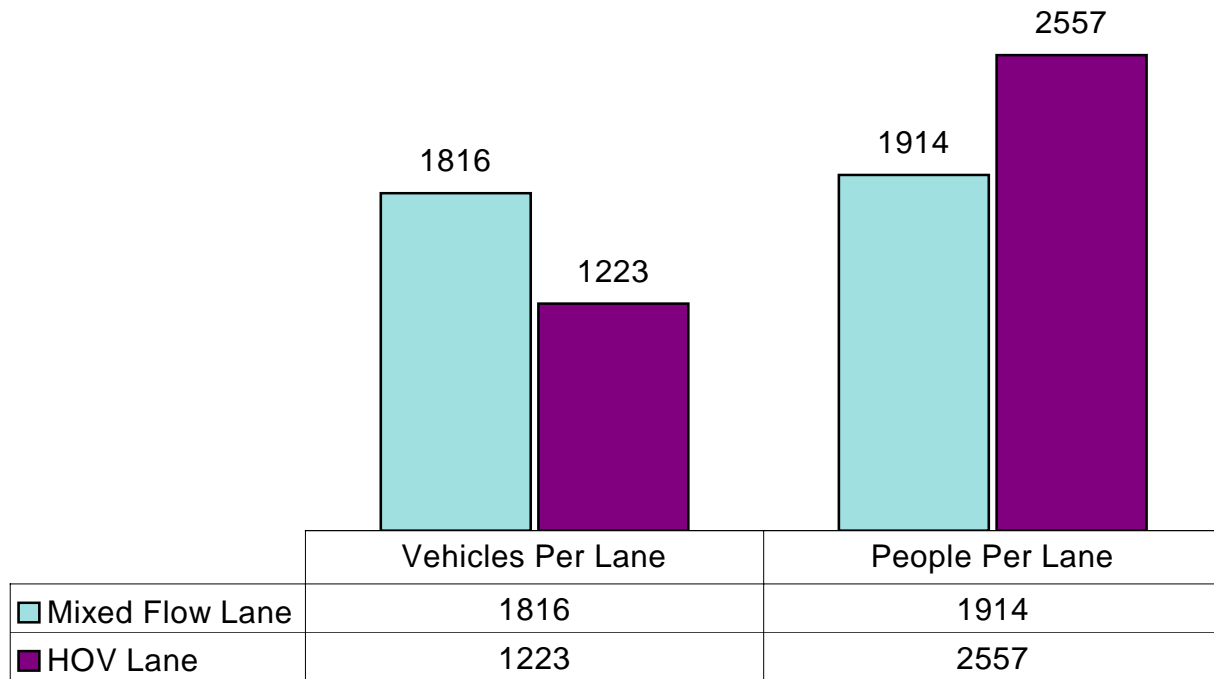


Location: LA-405-N/B @ Normandie
 Date/Time: 11-29-06 / 6:30-7:30 AM



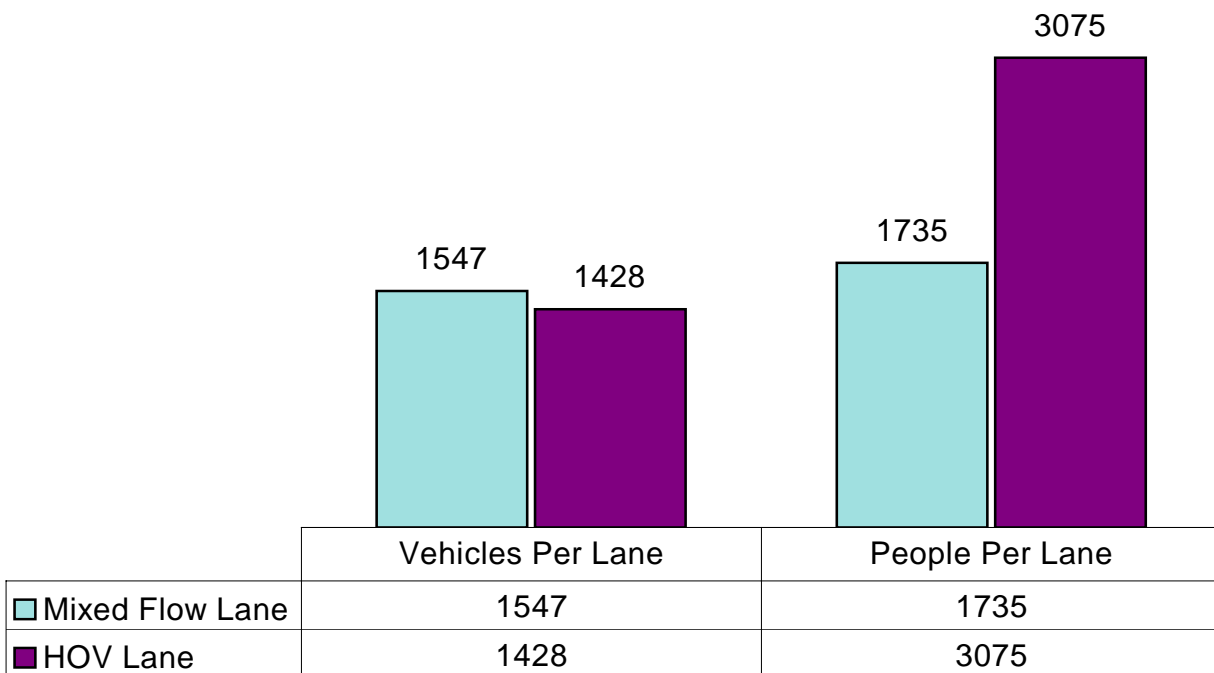
Location: LA-405-S/B @ Normandie
 Date/Time: 11-28-06 / 3:45-4:45 PM
 Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

PEAK HOURLY VOLUME COMPARISON



Location: LA-405-N/B @ Temple Ave.

Date/Time: 02-14-07 / 7:30-8:30 AM



Location: LA-405-S/B @ Temple Ave.

Date/Time: 12-19-06 / 4:30-5:30 PM

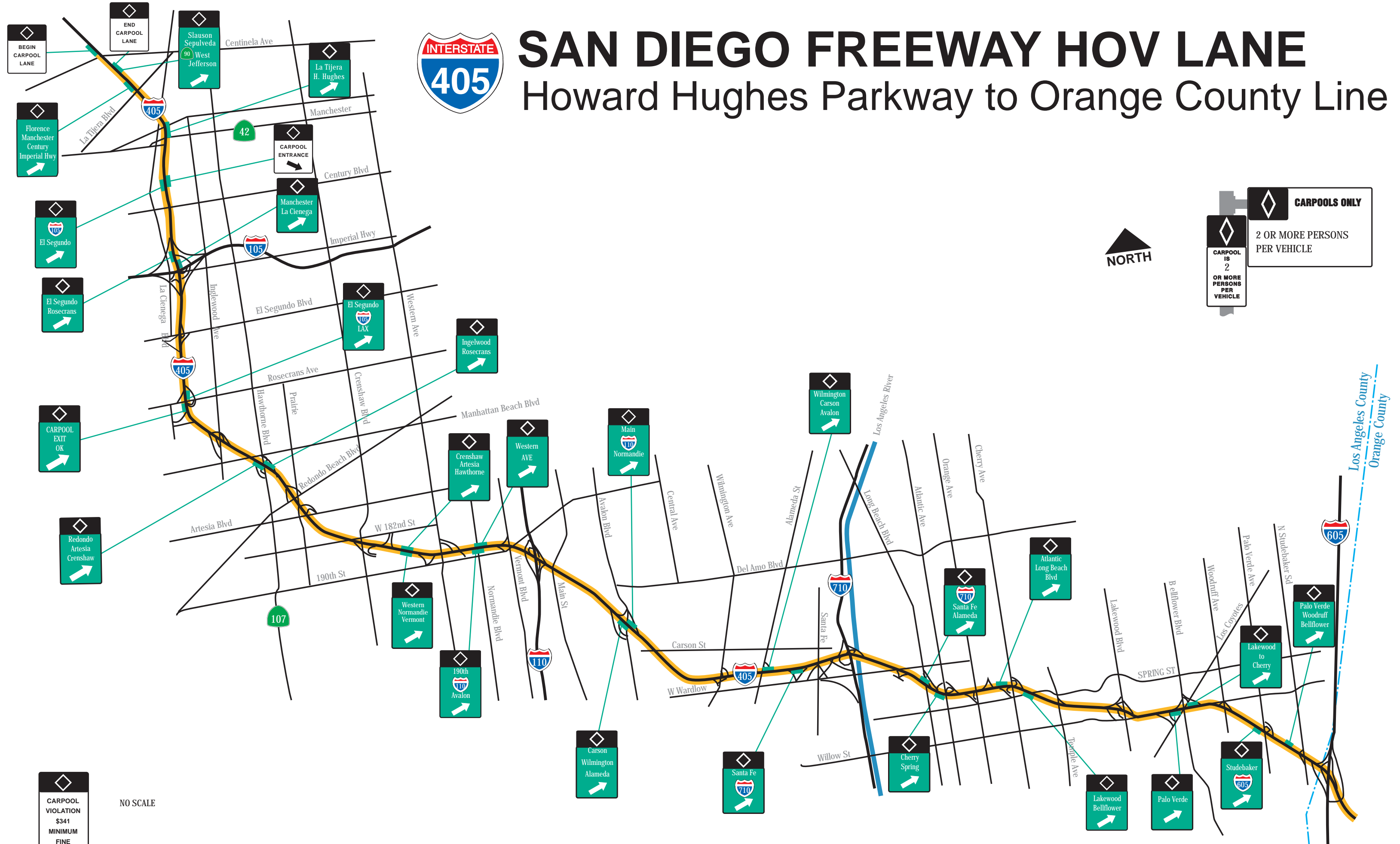
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



SAN DIEGO FREEWAY HOV LANE

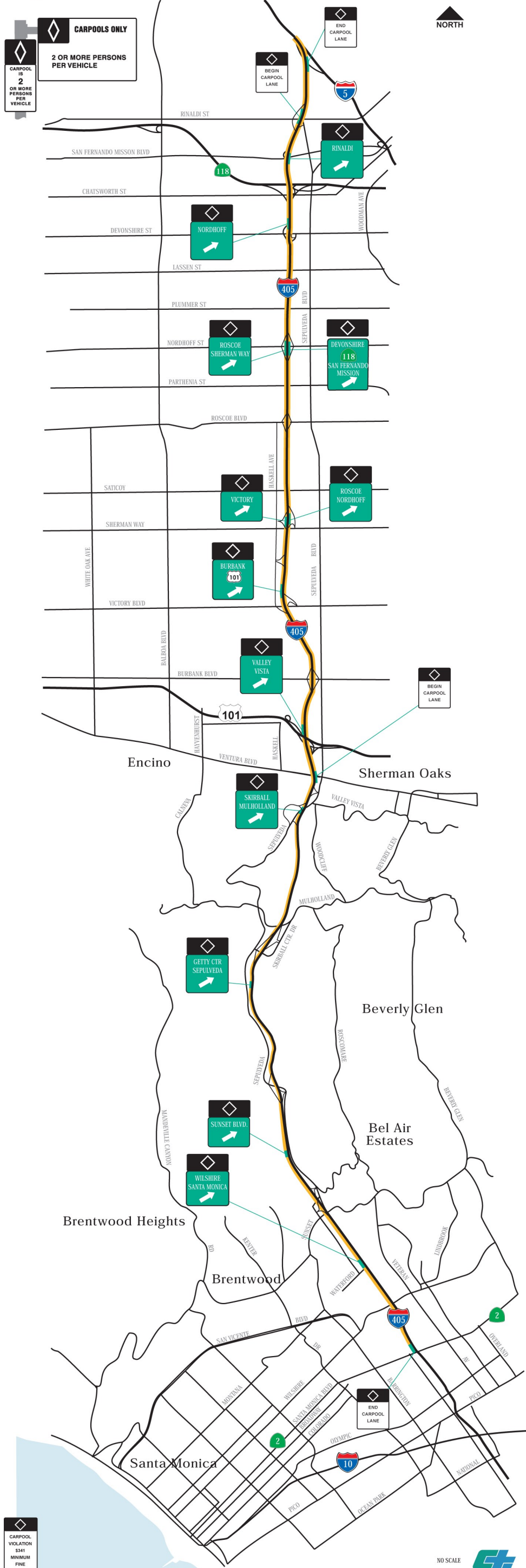
Howard Hughes Parkway to Orange County Line





SAN DIEGO FREEWAY HOV LANE

Golden State Freeway (Rte 5) to Santa Monica Bl.





FACT SHEET

ROUTE 605 SAN GABRIEL RIVER FREEWAY

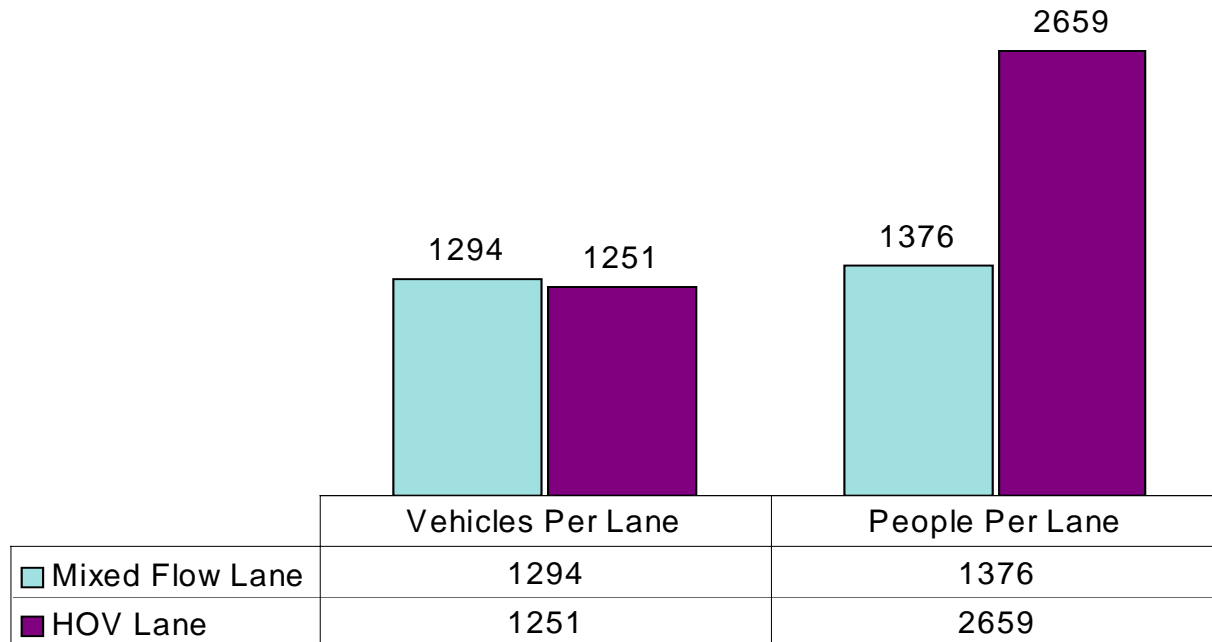
Project Limits & Length:	FROM SOUTH ST. TO TELEGRAPH RD	6.9 MILES
	FROM TELEGRAPH RD TO ROUTE 10	9.9 MILES
	FROM ORA. CO. LINE TO SOUTH ST.	3.9 MILES
Date of Opening:	FROM SOUTH ST. TO TELEGRAPH RD	APR 2, 1997
	FROM TELEGRAPH RD TO ROUTE 10	APR 3, 1998
	FROM ORA. CO. LINE TO SOUTH ST.	MARCH 2001
Cost:	FROM SOUTH ST. TO TELEGRAPH RD	\$14.1 MILLION
	FROM TELEGRAPH RD TO ROUTE 10	\$17.3 MILLION
	FROM ORA. CO. LINE TO SOUTH ST.	\$14.6 MILLION
Current Peak Hr Volume:	1482 VEHICLES @ BEVERLY BLVD	
Park & Ride Facilities:	None	
Number of Ingress/Egress:	FROM ROUTE 10 TO ORA. CO. LINE	9 N/B, 10 S/B

CALTRANS - DISTRICT 7
HOV Operation on Route 605

Co. Rte. Dir.	LA - 605 - SB		LA - 605 - NB	
Location	BEVERLY		BEVERLY	
Post Mile	14.42		14.42	
Date	12/07/06		12/06/06	
Occupancy Requirement	2 +		2 +	
	AM HOV Peak Hour	AM HOV Peak 2-Hour	PM HOV Peak Hour	PM HOV Peak 2-Hour
	6:45 - 7:45	6:30 - 8:30	16:15 - 17:15	15:30-17:30
HOV VEHICLE SUMMARY				
Carpools	1210	2304	1428	2768
Vanpools	11	19	19	35
Buses	5	10	1	1
Motorcycles	25	46	34	70
HOV lane Violators	1	2	3	4
Total Vehicles in HOV Lane	1252	2381	1485	2878
Carpools Using Mainline	310	600	395	140
Hybrid Vehicles in HOV Lane	25	46	43	80
HOV People Summary (Peak Hour)				
People in Carpool & Vanpools	2554		3027	
People in Buses	80		20	
People on Motorcycles	25		34	
Violators	1		3	
Total HOV People	2660		3084	
Mainline Summary (Peak Hour)				
Mixed-Flow Lanes	4		4	
Mixed-Flow Vehicles	5175		5325	
Mixed-Flow People	5505		5755	
Mixed-Flow People/Lane	1376		1439	
Freeway Summary (Peak Hour)				
Total Mixed-Flow People	5505		5755	
Total HOV People	2660		3084	
Total Freeway People	8165		8839	
Percent Carried in HOV Lane	32.58%		34.89%	
Percent Carried per Mixed-Flow Lane	16.86%		16.28%	
Occupancy (Peak Hour)				
HOV Occupancy	2.12		2.08	
Mainline Occupancy	1.06		1.08	
Equivalent Number Mixed-flow Lanes Needed to carry HOV People	1.93		2.14	

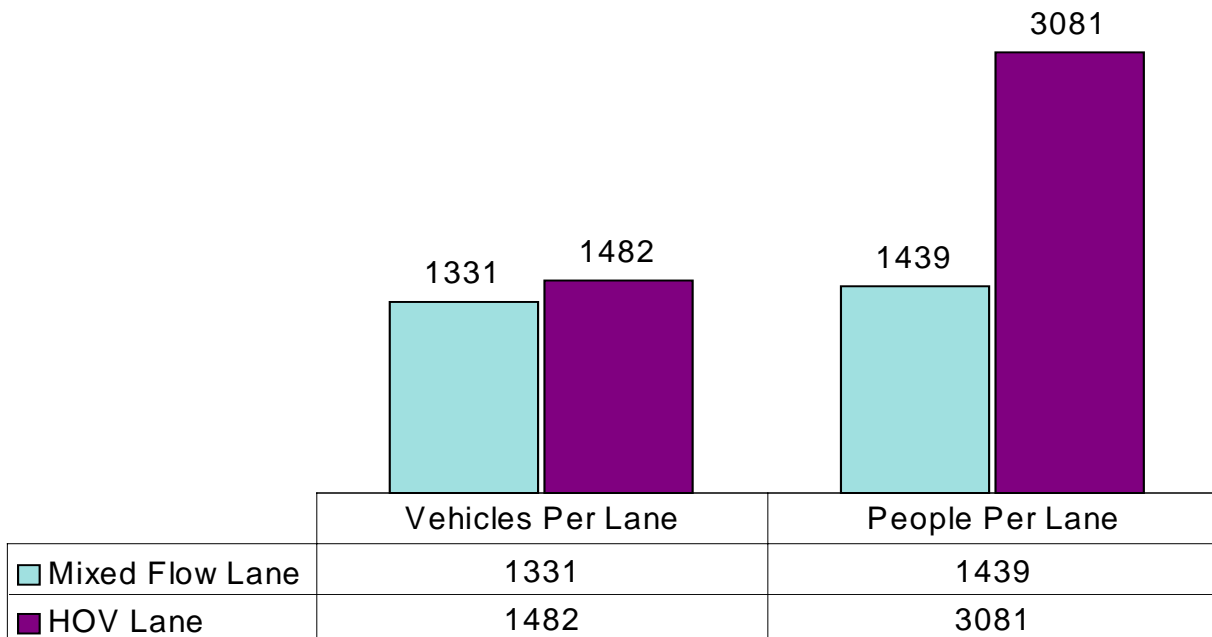
*Peak hours are based on the following peak period counts: AM 6:30-8:30 PM 3:00-5:30.

PEAK HOURLY VOLUME COMPARISON



Location: LA-605-S/B @ Beverly Blvd.

Date/Time: 12-07-06 / 6:45-7:45 AM



Location: LA-605-N/B @ Beverly Blvd.

Date/Time: 12-06-06 / 4:15-5:15 PM

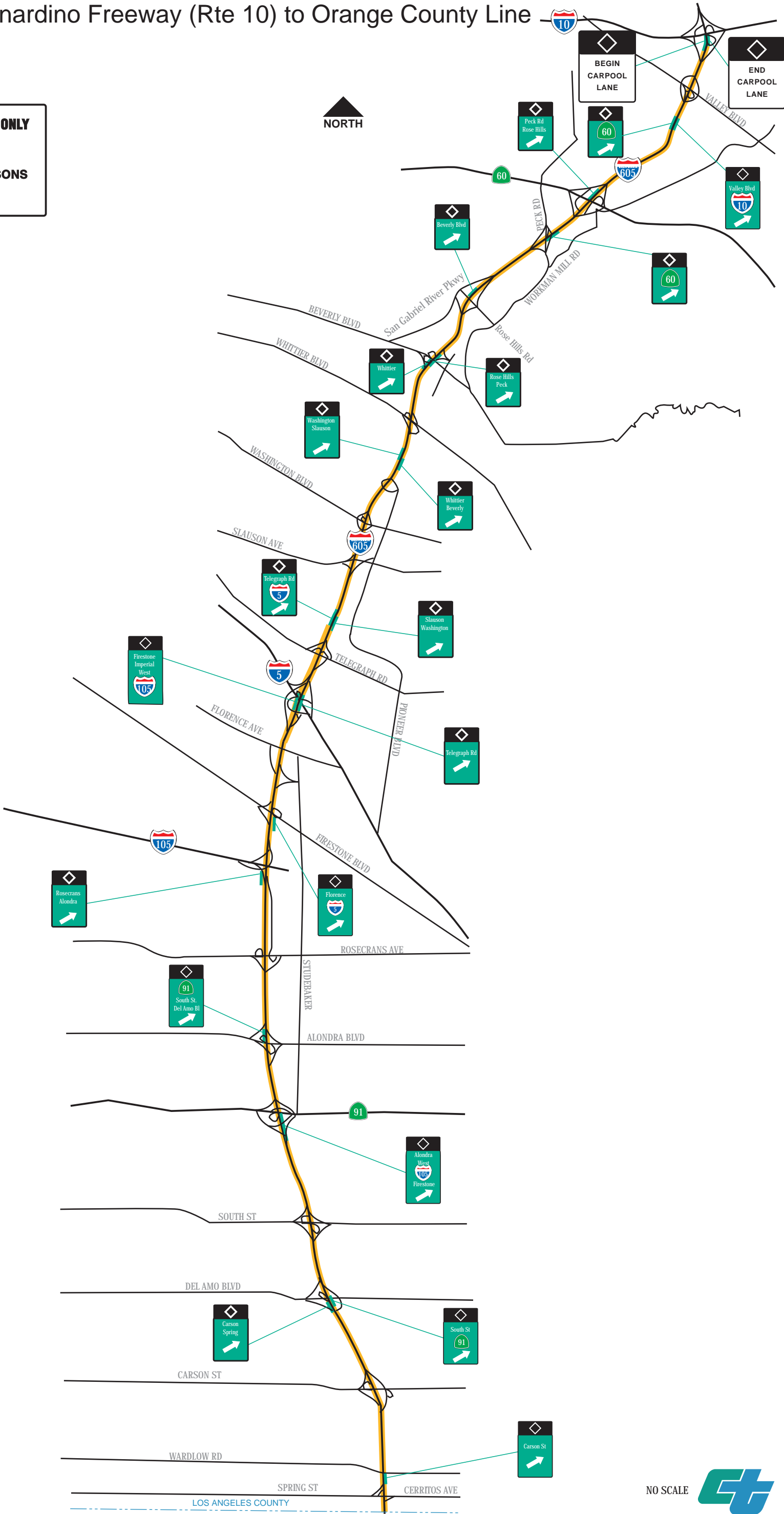
Note: Manual Traffic Counts: 6:30 - 8:30 A.M. / 3:00 - 5:30 P.M.

(This page intentionally left blank)



SAN GABRIEL RIVER FREEWAY HOV LANE

San Bernardino Freeway (Rte 10) to Orange County Line



NO SCALE

